



PSET CLOUD
Innovation through collaboration

CALL FOR PROPOSALS

Development of a Minimum Viable Product (MVP) for the PSET CLOUD

09/01/2023



JET EDUCATION SERVICES
THINK EDUCATION. THINK JET.



merSETA
MANUFACTURING, ENGINEERING
AND RELATED SERVICES SETA

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Contents

Acronyms and abbreviations	3
BACKGROUND	4
TERMS OF REFERENCE	6
1. Scope of work	6
2. Self Sovereign Identity Integration	12
3. Onboarding new stakeholders	13
4. Important considerations	14
5. Key competencies and team composition	14
6. Proposed architecture and technology	15
7. Finance	18
8. Submission requirements	18
9. Evaluation criteria	19
10. Estimated time frames	19
11. Contact details	19
Annexure A: PSET CLOUD Theory of change	21



Acronyms and abbreviations

AI	Artificial Intelligence
API	Application Programming Interface
AWS	Amazon Web Services
CET	Community Education and Training
ESSA	Employment Services of South Africa
HEIs	Higher Education Institutions
JET	JET Education Services
merSETA	Manufacturing, Engineering and Related Services Sector Education and Training Authority
MVP	Minimum Viable Product
NLRD	National Learners' Records Database
POPIA	Protection of Personal Information Act
PSET	Post-School Education and Training
PSET CLOUD	Post-School Education and Training Collaboration and Learning Opportunities for the Utilisation of Data
RPL	Recognition of Prior Learning
SAQA	South African Qualifications Authority
SSI	Self Sovereign Identity
TVET	Technical and Vocational Education and Training
UAT	User Application Testing
UCT	University of Cape Town
UI	User Interface
UX	User Experience
VAT	Value Added Tax



BACKGROUND

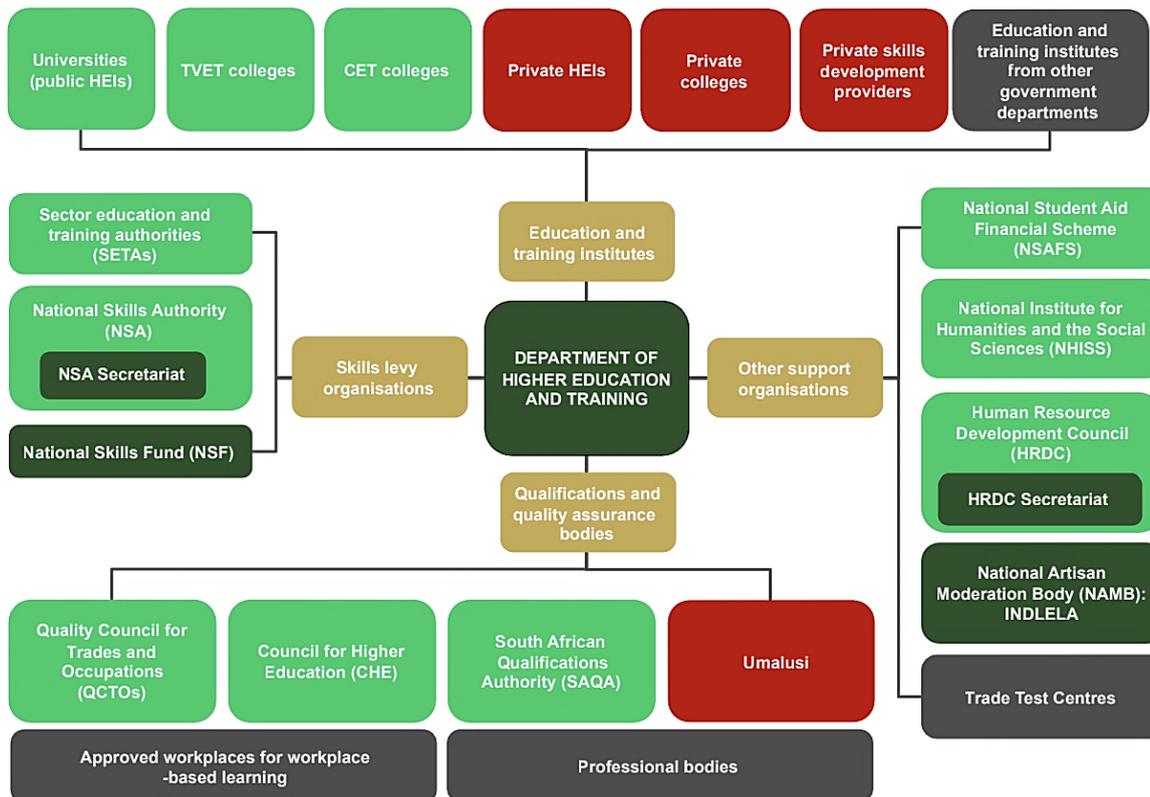
JET Education Services ([JET](#)) and the Manufacturing, Engineering and Related Services Sector Education and Training Authority ([merSETA](#)) initiated the Post School Education and Training Collaboration and Learning Opportunities and Utilisation of Data ([PSET CLOUD](#)) programme that seeks to develop an integrated national digital ecosystem which is interoperable, can be used for effective skills planning and provisioning, and puts information in the hands of citizens and other stakeholders so they can make informed decisions about education, training and career opportunities.

The programme seeks to ensure that data sets are interoperable, well synchronised and used effectively as sources of information for planning and improving efficiency in the PSET system as well as for individual decision making. In pursuit of this goal, the programme will establish a digital ecosystem that will strengthen, integrate, coordinate, improve efficiencies and solve challenges in the governance and management of the PSET system.

The PSET CLOUD programme has many different workstreams including governance, partnership, advocacy, monitoring and evaluation, and the development of an interactive platform, all of which support the achievement of the PSET CLOUD goals. This call for proposals pertains to the development of an interactive platform which will serve as a main point of contact between learners, jobseekers, citizens, employers, education & training entities, and other stakeholders in the value chain.

Stakeholders from the PSET ecosystem are depicted in the image below:





Phase 1 of the programme has been completed and involved a situational analysis of the PSET sector, a mapping study and a feasibility report. These research reports have been condensed and included in a publication titled [Unlocking the Power of Data: A Review of the State of Readiness of the Post-School Education and Training Sector in South Africa for Enhanced Data Interoperability](#), released in November 2020 and available on the JET website. In addition, an international review of similar initiatives was undertaken, and this report, [Interoperable Data Ecosystems: An International Review to Inform a South African Innovation](#), is also available to download. A Theory of Change for the PSET CLOUD was developed and is attached as Annexure A.

Phase 2 of the programme commenced in 2020 with two focus areas:

- [Stakeholder engagement and scenario planning](#);
- Developing a business case for the PSET CLOUD platform for piloting/testing as the programme transitions into Phase 3 (report available upon request)

Phase 3 of the programme commenced in 2021 with five focus areas:

- Developing a branding, communications and advocacy strategy as well as a website to update stakeholders on an ongoing basis as the platform is developed;
- Designing a suitable governance model for the PSET CLOUD;
- Developing a minimum viable product(MVP) and Self Sovereign Identity (SSI) Solution for the PSET CLOUD;
- Readyng the merSETA as the early adopter of the PSET CLOUD.
- Developing a foundational taxonomy for the PSET CLOUD.



Concurrent with the development of the PSET CLOUD, the merSETA is undertaking a review of its systems and particularly its data use. This is important as merSETA is positioned as the 'early adopter', or first test case of the PSET CLOUD. Therefore, there will need to be close alignment between the work undertaken within merSETA and the product(s) produced by the PSET CLOUD.

Furthermore, pilots external to the merSETA will be introduced to the MVP so it is important to ensure that functions needed to seamlessly interoperate with 3rd party systems are in place.

The Terms of Reference (ToR) in this Call for Proposals outlines the development and testing work that needs to be completed by a service provider with a proven track record and significant experience working in the PSET space or with PSET entities.



TERMS OF REFERENCE

1. Scope of work

The service provider will be furnished with high level functional requirements along with a prototype of three (3) user journeys, namely, the learner, employer and the education and training provider. The service provider is expected to use both the prototype and functional requirements to produce a backlog which will inform the first set of sprints to be developed. With the functional requirements being high level, the service provider must elicit further requirements which will cover all five (5) focus areas of Phase 3 of the PSET CLOUD and add those to the backlog and sprints.

Furthermore, the service provider will be furnished with an admin portal that is intended for the management of these three (3) user interfaces along with the overall management of the system. This admin portal is blockchain based and makes use of Self Sovereign Identity (SSI). The service provider is required to integrate the admin portal with the three (3) user interfaces along with the other features to be developed; it is thus mandatory that potential service provider has experience working with the technology stack used to develop the admin portal. Specifics of the technology stack can be seen in Section 2, Self Sovereign Identity Integration.

The proposed PSET CLOUD platform has a number of key focus areas:

1. Mapping and visualisations of demand-side trends;
2. Opportunity matching;
3. Credential verification and recognition - using the SSI technology ;
4. The development of recommended learning pathways; and
5. The recognition of prior learning (RPL).

The SSI project is working with some aspects of credential recognition and the development of recommended learning pathways, and a long-term vision for the platform is also to provide solutions for the recognition of informal and non-formal learning. The MVP service provider is expected to leverage these efforts as well as develop advanced solutions for these components to create a full solution in these areas.

The MVP service provider should provide a fully functional MVP which leverages *ideal as well as actual* solutions, for example, what can be achieved once interoperability and integration of systems is complete. The MVP should include elements such as direct access to trusted third-party data; the verification of credentials (see the SSI component) as well as the storage, retrieval and sharing of verified credentials; detailed trends mapping (for an example of the kinds of trends and insights we are looking to demonstrate see [the skills OVATE portal in Europe](#)); and recommended education and work opportunities based on both user profiles and current industry trends (for example, we would ideally want to be able to inform PSET CLOUD members working in or training to be in the automotive sector that there is a trend towards demand for hybrid vehicles and recommend courses that can train them on this). Due to the complexity of the project, the development of the MVP will be an iterative process using agile methodology; thus it is important for the service provider to be familiar with this methodology.



In the MVP development process, there may be limitations around data and system capability of potential partners. It is therefore expected that the incoming service provider will consider alternatives that will serve the purpose of a functional MVP. For example, we do not currently have real-time data or direct data access to Application Programming Interfaces (APIs), so the MVP will leverage the available data of partner organisations such as the merSETA, which includes skills requirements data collected annually and data on learnerships, to build the supply and demand insights. Where necessary, dummy data can be used to test various functionalities (for example, opportunities matching); in this case sufficient quantities of dummy data should be used to demonstrate the system. Currently, data is ingested into the system manually and this needs to be expanded. Ideally, the system should have multiple ways of ingesting data into it, such as:

1. APIs
2. Message brokers
3. Bulk uploads
4. Web scraping

The primary objective is to ensure that the MVP is launch-ready and has all the required functionalities: Real-time trends analysis; Opportunity matching; Recognition/verification/storage and retrieval of credentials including informal learning credentials; Development of learning pathways. This will encourage citizens, higher education institutions and employers to join and contribute their own data to the system. This contributed data must then feed back into the insights we are able to provide on the system. We are looking for a full, launchable solution that includes all aspects necessary to interact with the platform, including User Interface/User Experience (UX/UI). For an overview of the proposed MVP platform, please click [The PSET CLOUD platform](#) to watch a short video. The scope of work is as follows:

Stage 1: Inception

The successful service provider will be furnished with the following material which they are expected to become thoroughly acquainted with in order to commence with the development of the PSET CLOUD MVP:

- Research outcomes from Phase 1, 2 and 3
- User journey outcomes
- Specification document
- User and admin manual of the MVP and SSI admin portal
- Bitbucket repositories from previous developers
- Swagger documentation
- SSI prototype (three [3] user interfaces)
- SSI admin portal
- Integration document (National Skills Development Management System [NSDMS])

As part of the inception phase and throughout the duration of the project, the service provider will be requested as JET and merSETA deem necessary to attend some meetings and/or workshops. It is important that the service provider prepares for this and factors adequate touch points with both JET and the larger project into the proposed budget. Short weekly meetings with the project team, sprint review meetings, periodic alignment meetings with other developers, and contributions to the



broader team meetings held monthly with at least one developer and the project manager can be expected. Close-out meetings at the conclusion of the project with both JET and merSETA should also be factored into the project budget.

Key deliverables

1. A brief inception report with a detailed work plan that spells out the approach, timelines aligned to the brief, deliverables, risks and mitigation strategies, budget and key resources;
2. A revised/agreed functional specification document which outlines the work to be completed during the contract.

Stage 2: Functional requirements specification

Initial high level requirements have been drafted for the MVP and can be accessed here; however, these are not exhaustive. The service provider will be required to elicit and document the requirements for the rest of the critical components to be developed for the MVP.

A significant amount of ground has been covered in focus area 2: Capturing requirements for the opportunity matching component, so the focus areas for this work will be: 1: Mapping and visualisations of demand-side trends; 3: Credential recognition and verification; 4: Development of recommended learning pathways; and 5: Recognition of prior learning (RPL). The functional requirements must then be demonstrated through the development of an MVP which showcases how the requirements translate into a functioning MVP for the project team to engage with. Once the project team is happy with the MVP, the requirements can be signed off.

Key deliverable

1. Signed off functional requirements document.

Stage 3: MVP prototype design review and report

On completion of the development of the functional requirements, the service provider might need to improve the current design of the prototype by including the new identified functionalities from the functional requirements that are not covered in the current prototype. During the inception phase, the service provider, together with the JET and the merSETA team, will flesh out all possibilities for prototyping these additional requirements in line with project deliverables and timelines.

An important consideration at this stage is that feedback from the JET-merSETA team as well as end users is taken into account and revisions to the platform reflect the inputs received during sprint sessions. Under no circumstance should the service provider develop features or functions without the approval of the JET-merSETA team.

Key deliverable

1. A development delivery roadmap for all signed-off specifications which translates the reviewed requirements into a delivery sprint schedule (work breakdown structure) document that is agreed to and signed off by the JET-merSETA team.



Stage 4: Taxonomy

The PSET CLOUD team is currently researching taxonomies best suited for the MVP to allow for 1) demand-supply side opportunity matching and 2) development of recommended learning pathways.

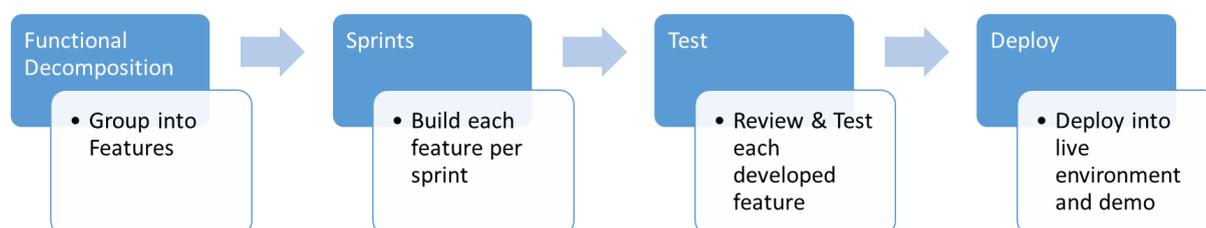
A service provider has already been appointed for the taxonomy development work and touchpoint engagements are expected for alignment and implementation purposes. The outcomes of this research will have a bearing on the underlying opportunity matching logic of the PSET CLOUD language used for distilling skills, competencies, knowledge and attributes that can be mapped towards qualifications. The service provider will need to seamlessly incorporate these taxonomies into the MVP. The full scope of work can be found [here](#).

Key deliverable

1. An integration roadmap using the taxonomy framework developed by the University of Cape Town (UCT) translated into system and functional requirements which incorporate the coding schema into the opportunity matching capability of the PSET CLOUD MVP.

Stage 5: Agile development - develop, test and deploy

The required agile development approach is illustrated below and will assist not only in streamlining the development process, but also in speeding up the develop-to-market of the MVP platform. Each sprint will ensure that there is a ready-to-test-and-demo feature.



The development of the MVP should be carried out in sprints, with sprint reviews taking place in order to showcase progress made in the development of new features of the system. The agile development process (scrum) should follow a standard iterative pattern, with sprint planning, execution, review and retrospective stages. Tentative sprint review dates have been specified in Section 7 of this document, although these dates are subject to review by the service provider in agreement with the JET technical lead. Final dates are to be included in the inception report that the service provider is to produce as the first deliverable.

Development, testing and deployment should be carried out iteratively, with a recurring feedback loop available for the JET-merSETA project team, together with relevant stakeholders/beta-testers to give feedback. The service provider must provide a test plan that will detail how and when new features will be tested. Furthermore, the test plan must cater for feedback from the users (meaning a select group of beneficiaries of the system as well as initial 'trusted partners' within government and related entities) and show how the feedback will be factored into development of the MVP. JET will facilitate access to these groups, but review sessions and access should be coordinated by the service



provider in conjunction with the JET technical lead. In this iterative development and testing cycle, the final output will be a functional, complete set of MVP features, with each feature deployed after the sprint review and having passed all tests (system, user acceptance tests [UATs], integration).

At the core of the agile development approach for the MVP is ensuring that the completion of each sprint brings forth a functional and complete feature of the MVP platform that is ready for demonstration.

An example of team composition and responsibilities for implementation of the agile development process are depicted below.

Team composition



Team responsibilities

Scrum Master	Product Owner	Business Analyst	Testers	Developers	Project Management
<ul style="list-style-type: none"> Oversees the development process Provides team with required resources. Ensures product development aligns with business requirements. 	<ul style="list-style-type: none"> Takes authority and decisions on product-related tech issues. Approves & signs-off each Sprint and final product. 	<ul style="list-style-type: none"> Documents user stories to be developed Documents progress of Sprints. Creates test cases for Sprint sessions, and the report thereof. 	<ul style="list-style-type: none"> Tests product after every sprint. Provides feedback, through surveys, interviews and workshops. 	<ul style="list-style-type: none"> Develops the solution according to the user stories provided. 	<ul style="list-style-type: none"> Oversee service provider contract. Report project progress to program. Feedback from governance structures.



Key deliverables

1. Proposed team composition and responsibilities;
2. Proposed development, test and deployment plan;
3. Detailed test plan (system, integration, UAT) with test cases per released features and functions;
4. An approved MVP ready for deployment - complete and consolidated list of developed features built during each sprint in the agile/iterative process.

Stage 6: Deployment and hosting infrastructure

Locally deploy the MVP through a JET-merSETA designated internet service/cloud provider. The MVP platform is envisaged to be hosted on the current JET-merSETA Amazon Web Services (AWS) account, hence the incumbent service provider is expected to have a thorough understanding of the AWS platform. Hosting of the MVP will be payable by the service provider.

The service provider is expected to follow standard software development server environment partitioning processes by creating separate and interlinked environments for Code Development, Quality Assurance and a Live environment. The code should be moved into the relevant environment as and when required (programming, testing, and demonstrating). At each stage of the code migration process, a reputable and secure version control tool should be used to commit and backup each version of the code.

Furthermore, in the event that more stakeholders are onboarded to the PSET CLOUD, the service provider is expected to help with adding those stakeholders onto the MVP and to also test the MVP with newly-added as well pre-existing stakeholders. Should bugs be found during testing, the service provider is expected to address them in a timely manner or within a time period acceptable to the JET-merSETA team. Lastly, in preparation for the handover, the service provider must work closely with the merSETA team to make sure handover is gradual and engagement/use/outcomes are well-understood. Upon deployment, the service provider should conduct relevant unit testing and integration testing and include notes in the coding in line with development best practices.

Key deliverables

1. A detailed outline of the different server environments created and the code migration process to be followed;
2. Successful deployment of the MVP from a sandbox environment to a live environment;
3. Draft user manual and administrator manual.

Stage 7: Handover

During handover of the documented source code, user and administrator manuals, access details and account details related to the development of the MVP must be given to the PSET CLOUD MVP technical team. All documents must be delivered electronically in a format specified by the MVP lead. JET-merSETA will retain the ownership of the copyrights of all documentation delivered under the contract.



Key deliverables

1. Technical documentation (Documented source code, Swagger documentation, Testing and testing results, Architecture and maintenance documentation);
2. User manual and administrator manual;
3. Hosting platform credentials;
4. Administrator access details to the MVP;
5. Data dictionary;
6. Consolidated sprints reviews report;
7. Consolidated sprints testing report.

Stage 8: Change management plan and support

The service provider is expected to hold workshops for demoing the MVP platform to the whole PSET team as well as to train select members from the project team (approx. four to five persons) on administering and using the system. The user manual should be made available by the service provider as a help file through an online application or knowledge-base so that the users can refer to the manual as and when needed, potentially as part of the PSET CLOUD website or as part of the MVP. Furthermore, the service provider is expected to provide system support for at least six months after handing over the software. The support should be in person, telephonic and via email, as and when necessary. Support might include additional development work for improvement to the system.

Key deliverables

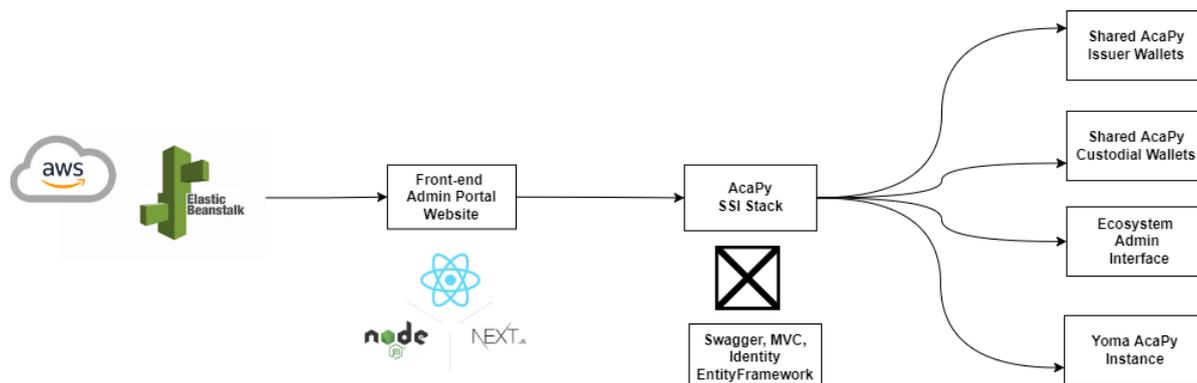
1. High-level support service level plan;
2. Change management plan;
3. Orientation training for select members of the project team.

2. Self Sovereign Identity Integration

In parallel with the development of the PSET CLOUD MVP, the development of an SSI solution that integrates seamlessly with the MVP should take place. The incoming service provider is expected to work closely with the previously appointed service provider ([DiDx](#)) responsible for the development of the SSI solution to ensure alignment without overlaps between the SSI component and the MVP. Below is an outline of the SSI and Admin Portal. For an extended view of the technology, follow this [link](#).



DIDx SSI Stack Super Admin Portal (DIDx SAP)



DIDx SSI Stack Super Admin Portal overview

This admin portal will provide trusted SSI stack maintainers the ability to manage their SSI ecosystem. The super admin portal allows SSI ecosystem maintainers to perform the following functions:

1. Manage trust ecosystem schemas;
2. Manage tenants (custodial wallets);
3. View trust registry participants;
4. Make connections between tenants;
5. Manage messaging between tenants;
6. Issue credentials;
7. Request credential proofs;
8. Verify credentials.

DIDx SAP authentication

The credential service uses Next-Auth technology for NextJS, which assists the session manager at the server side rendering (SSR) level, making the service safer and more secure.

DIDx SAP technology stack

- Next.js (React) typescript;
- Server side rendering (SSR) & client side rendering (CSR);
- Typescript;
- Material UI version 5 (MUI);
- Docker;
- MongoDB.

Key deliverable

1. Demonstrated and documented integration of the PSET CLOUD MVP with the SSI component.



3. Onboarding new stakeholders

From the success of the [DigiTrans 2022](#) conference and the strategic partnership engagements that have been taking place, interest from external stakeholders to join the PSET CLOUD as early adopters has increased. Together with merSETA as the first early adopter, the PSET CLOUD seeks to onboard new stakeholders to expand the pool of early adopters.

Lessons learned and processes followed to integrate merSETA as the early adopter to the PSET CLOUD need to be applied when onboarding new stakeholders. For this reason, an onboarding document together with lessons learnt and an Integration Requirements document is being developed to help streamline the onboarding and integration of stakeholders into the PSET CLOUD. This document can be accessed [here](#).

4. Important considerations

1. Sprint grooming needs to take place with the JET-merSETA team before work on the sprints commences as there are items in the backlog that the JET-merSETA team and the service provider need to align on.
2. Sprint reviews are to take place as per the schedule agreed between the service provider and JET-merSETA. Under no circumstances are sprint reviews to be missed. Missed reviews resulting in delays in the project will not be the responsibility of JET-merSETA and will be at the cost of the service provider. Any delays must be recorded on a log sheet with reasons provided.
3. System architecture must follow an architecture that will allow for a prolonged system uptime, scalability, security, maintainability and efficiency of the overall MVP.
4. Open source applications are preferred.
5. The less subscriptions required, the better.
6. Fees for any software, subscriptions or licences will be payable by the service provider and must be communicated in writing to the MVP team.
7. The Protection of Personal Information Act (POPIA) must be adhered to by ensuring that the MVP is hosted locally as it will hold private national data.
8. Development of the MVP must make use of agile methodology, which the service provider must develop and test using an iterative process.
9. The prospective service provider should adhere to various local and international standards to ensure that the project management, software development life cycle and ultimately the MVP platform is not only of a high quality, but follows local and international governance, regulatory and compliance requirements. Some of the standards that the incumbent service provider should adhere to are listed below and are to be considered as part of the MVP development process:
 - a) ISO 27001:2013 - Information Security, Cybersecurity
 - b) ISO 22301:2019 - Business Continuity Management Systems
 - c) ISO 31000 - Risk Management
 - d) ISO 12207 - Software life cycle processes
 - e) ISO 29119 - Software Testing



5. Key competencies and team composition

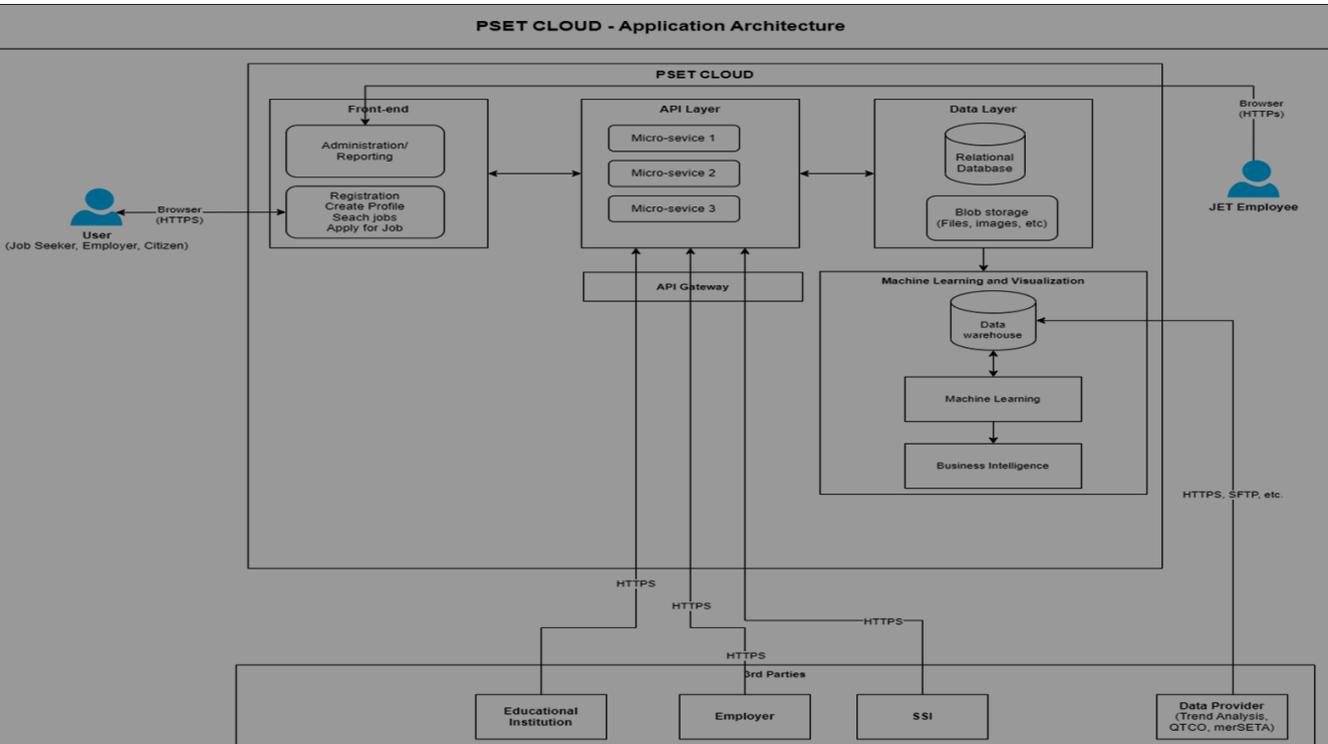
- The service provider should demonstrate an understanding of labour market intelligence and of the PSET Industry.
- The service provider must have a balanced team that has key competencies to cater for the various components of the project.
- A good ratio of senior to junior developers is important.
- The team must have demonstrable prior experience in executing a project of this size and technical complexity and must comprise, at minimum, members with the following technical competencies:
 - Front-end (UI/UX) and Back-end Development;
 - Artificial Intelligence (Machine Learning);
 - Data Integration/Enterprise Application Integration;
 - Blockchain Development (specific focus on SSI);
 - Quality Assurance Automation Engineering;
 - DevOps Engineering;
 - Cloud Infrastructure Engineering (AWS);
 - Agile Project Management.

We are cognisant that one company may not have all these competencies; in such a case, should the service provider opt to enter into a joint venture or similar arrangement, compliance documents must be furnished for every company proposed to be involved in said arrangement. To expand on the availability of expertise, we are opening the development of the MVP to international service providers that have the requisite competencies.



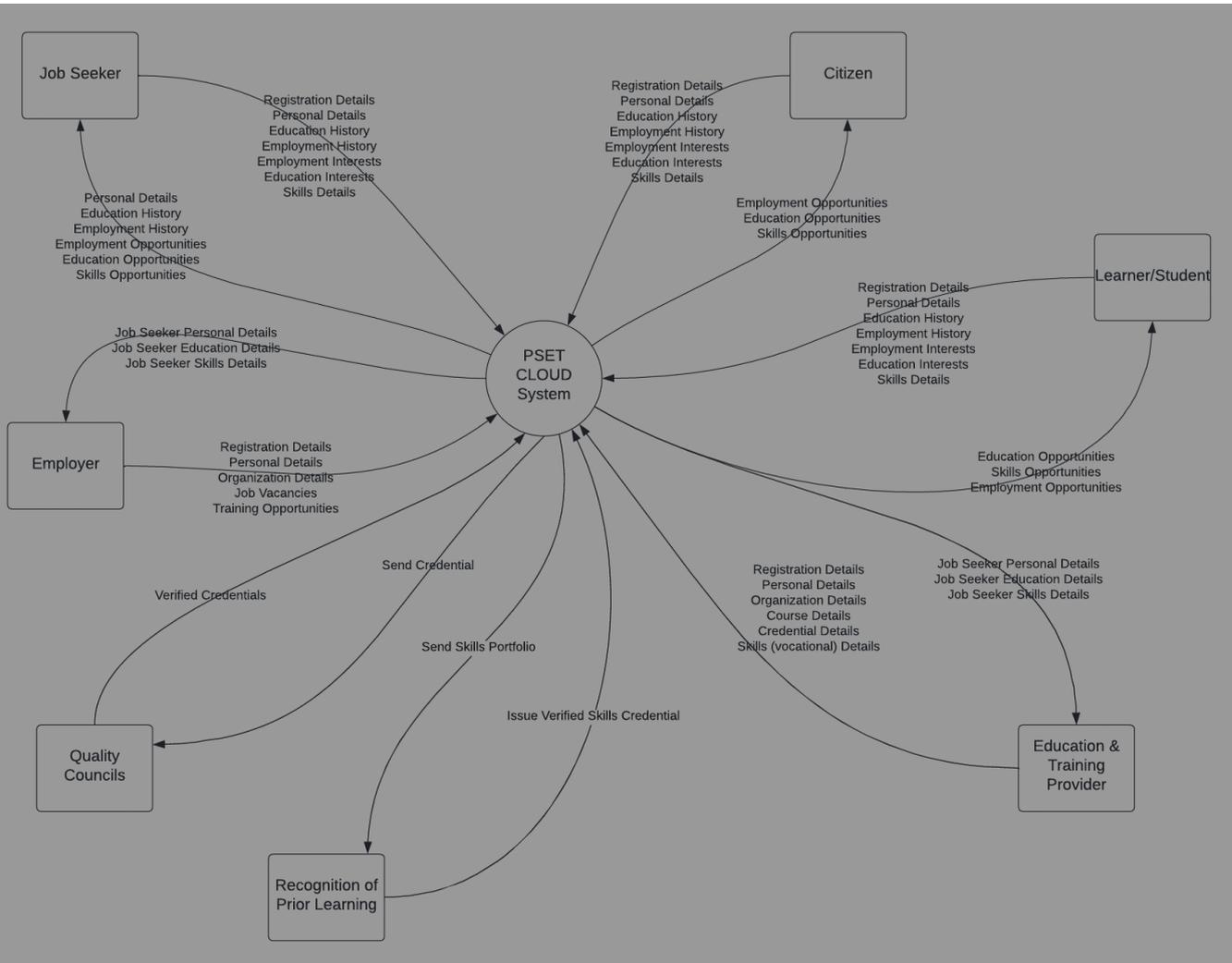
6. Proposed architecture and technology

Application architecture



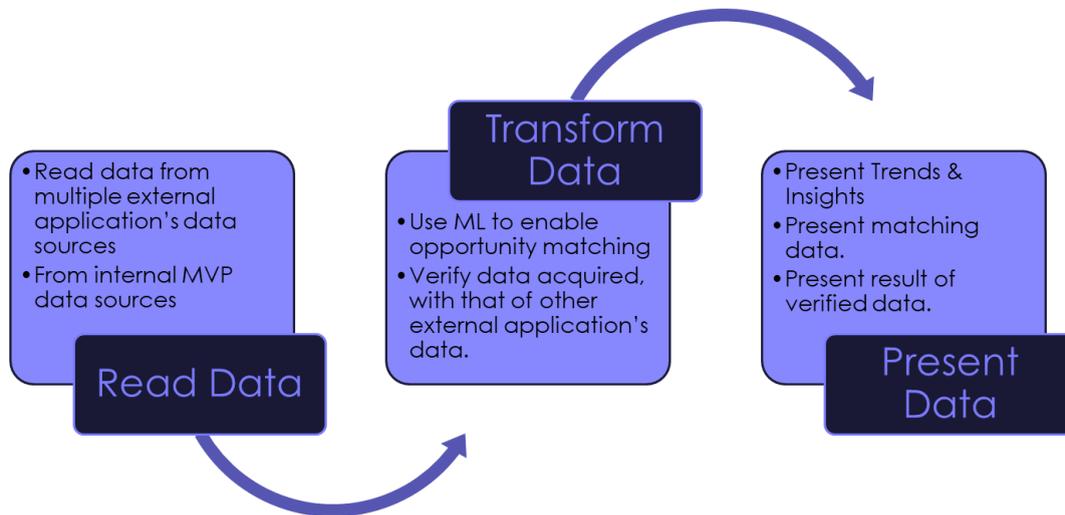
Business context

The following diagram outlines the context within which the MVP will be deployed. Relevant stakeholderse and entities (Jobseeker, Learner, Employer etc.) and their envisaged interaction with the platform are used to provide this context and understanding.



Data architecture

The MVP platform is data intensive, since a large amount of data will be sourced from various sources and then manipulated to provide feedback for analysis and insights. Below is a conceptual view of how the journey of this data is envisaged:



Application integration and interoperability

At the core of the MVP value proposition is the interoperability of the MVP with various external applications so that data can be sourced and transformed into valuable insights for the different stakeholders of the platform.

The prospective service provider should ensure that the MVP platform will not only be able to interoperate with early adopter applications, but will also be ready to plug into future applications to enable this interoperability.

The key technologies envisaged for this purpose involve APIs and message brokers. The service provider should adopt currently used technologies in the open-source community as well as those available on the AWS platform.

Technology stack

The technology stack outlined in the table below is the one envisaged for the building of the MVP platform. The criteria for choosing the technologies in the stack are, in order: 1) open-source; 2) the technology's availability on the AWS stack; 3) the technology's relevance to the implementation of the requirements; and finally 3) the technology's popularity and extended community reach.



Component	Tech Stack	Rationale
Frontend Framework (libraries)	React (Node.JS) [MERN]	
Programming Languages	Javascript (Node.JS)	
Services	Analytics, ML, Big Data, Web Scaping	Tech services used by MVP
Backend Framework	Django (Python)	Allows for building ML modules.
Middleware & Web Server	APIs, message brokers - Apache	Open-Source & Ubiquitous
Database	MongoDB, mySQL, Neo4J (noSQL)	Open-source & AWS subscription
Machine Learning	Python Machine Learning Libraries	Python Libraries (Open-Source)
Messaging/Communication	RabbitMQ, Apache Kafka (streaming), AmazonMQ	Open-source & AWS subscription
Version Control	Github, Beanstalk	Open-source & AWS subscription
Infrastructure & OS	AWS - Linux	AWS subscription
Development methodology	Agile (with DevOps Pipeline)	Dev-to deployment approach

7. Finance

The service provider’s financial proposal should provide an explicit budget with a detailed breakdown by level of cost. It should contain itemised costs for the following broader deliverables: System analysis and requirements gathering; Software development and testing; Orientation training; and Post-handover troubleshooting support costs for six months. Financial proposals must provide a detailed breakdown by level of effort and daily rates. Payments will be made upon satisfactory completion and acceptance of deliverables by the JET-merSETA team. Work is considered complete when functionality is demonstrated. As a result, payments will be based on deliverables and not the completion of sprints. All functions within a sprint or set of sprints need to be functional before invoices for payments are submitted.

The budget allocation for this work **ranges between R1 million to a maximum of R3 million**, all-inclusive of requirements such as venues for the workshops to be conducted, travel and any other expenses incurred in the roll-out of the project until final successful completion. **Proposals with a total budget over R3 million will not be accepted.**

All costs associated with the development, preparation, production and/or delivery of goods and/or services incurred without an executed contract copy signed by all parties will be for the account of the bidding company or organisation. Neither JET nor the merSETA will pay for any costs associated with the development, preparation, production and/or delivery of goods and/or services connected to these ToR.

8. Submission requirements

In response to this ToR, bidders are expected to submit the following:

- Company registration documents
- Company profile
- SARS tax status
- BBBEE certificate/sworn affidavit (where applicable)



- CVs of key personnel
- Three reference letters
- Technical proposal with dated project plan
- Financial proposal with detailed breakdown per deliverable

9. Evaluation criteria

Evaluation Criteria	Weight
Capacity	10%
Mentoring and use of interns	5%
Previous experience	15%
References	10%
B-BBEE	10%
Price	10%
Proposal and Methodology	40%
Total	100%

N.B: Where an internationally based provider is interested in bidding, the Broad-Based Black Economic Empowerment (B-BBEE) requirements may be waived and the weighting allocated to other criteria such as previous experience and/or the proposed methodology.

10. Estimated time frames

Activity	Date
Publishing of ToR	09/01/2023
Clarification questions deadline	13/01/2023
Submission of proposals deadline	20/01/2023
Submissions shortlisting	25/01/2023
Shortlisted service provider presentation date	02/02/2023
Appointment of provider	06/02/2023
Inception	10/02/2023
MVP development	13/02/2023
Handover	30/06/2023
Change management	31/07/2023
Support	Ongoing

11. Contact details

All queries should be directed to Boitumelo Mancu and must be submitted via email to boitumelo@jet.org.za.



Responses will be provided via email. Proposals should be submitted to tenders@jet.org.za, by 12 noon on the **20th January 2023**. Technical and financial proposals may be combined.



Annexure A: PSET CLOUD Theory of change



Theory of Change

IMPACT: South African citizens make informed labour market decisions that lead to increased employment in line with NDP targets



GOAL: Use of data from the PSET CLOUD system facilitates improved alignment between supply and demand in the labour market

