

Tatenda Moyo

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Full-Stack Developer building secure web applications for banking and financial-services clients with React, TypeScript, JavaScript, Node.js, Python and AWS. I take products from architecture to production, most recently leading a team of three to launch a POPIA-compliant financial-wellness platform on Supabase PostgreSQL and Vercel, with CI/CD through GitHub Actions. Skilled in REST API integration, secure authentication (OAuth, SSO/OIDC), automated testing and working with stakeholders, business analysts and QA to deliver reliable, scalable solutions.

Relevant Professional Experience

Technology Analyst | CO Open Innovation Studios

Jan 2026 – Present

Adobe Analytics implementation for a corporate trade finance web portal

- Implemented an Adobe Analytics tagging specification across the login, dashboard and application journeys of a React single-page application, using Adobe Launch and an event-driven data layer.
- Refactored single-product logic in eight JavaScript helper functions into lookup tables, extending tracking to five trade finance journeys and fixing audit defects in device type, login status and application completion.
- Verified tags across four product lines with per-product test matrices in browser DevTools, and added a scripted check that catches undefined tag IDs.
- Restructured a tangled Git history into four reviewable commits and wrote a 23-page developer handover document, working with business analysts, QA and an external analytics agency.

Cloud migration onto a large bank's AWS infrastructure

- Automated CI/CD with GitHub Actions and Octopus Deploy pipelines for controlled releases.
- Monitored and debugged Kubernetes workloads in Lens IDE (pod inspection, log analysis and resource utilisation) to keep applications stable.
- Integrated Azure Active Directory Single Sign-On (SSO) with OIDC authentication flows for secure access across applications.
- Designed resilient, cloud-native AWS solutions with cross-functional teams, applying infrastructure-as-code, container orchestration and automated deployments.

Built Power BI dashboards to improve data visibility for a transactional banking division

- Built interactive Power BI dashboards that improved data visibility and decision-making across the division's channels.

- Extracted and cleaned channel data from a source system, applying business rules through Power Query transformations.
- Designed the supporting data model and aligned dashboards with stakeholders' operational and strategic requirements.

ETL pipeline design

- Designed an AWS ETL pipeline (S3, triggers, Glue Jobs, Data Catalog and Athena) that streamlined data ingestion and transformation for the division's Power BI dashboards.
- Documented data flow and VPC-based network security in Lucidchart pipeline diagrams, balancing performance against cost.

Cloud capability delivery lead

- Drove the set-up of the studio's internal AWS Cloud capability, building the business case, roadmap and strategic positioning for client initiatives.

Technology Analyst Professional in Training (PIT) | CO Open Innovation Studios June 2025 – December 2025

Streamlining the manual RFP sourcing process

- Developed a Python proof-of-concept that automated RFP sourcing for a corporate banking team, replacing manual sorting.
- Used agentic AI to ingest, process, store and stream RFP data, and contributed the backend integration between the AI agents and the frontend.
- Built a frontend that let teams filter, search and view RFP information in a clear, structured format.

Independent Projects

Full-Stack Developer & Lead | Independent Fintech Client Engagement 2026 – Present

Financial-wellness web platform helping South Africans reduce high-interest debt

- Led end-to-end delivery of a financial-wellness MVP in a team of three, from architecture to production launch in October 2026, with a pilot group now giving feedback.
- Built full-stack features in React, TypeScript and Node.js serverless functions on Vercel, integrating REST APIs for OpenAI, Paystack, Resend, Google OAuth and Experian credit reports.
- Designed a Supabase PostgreSQL backend with row-level security on all 24 tables, AES-256-GCM field-level encryption and append-only POPIA consent and audit logs.

- Set up CI/CD with GitHub Actions running lint, type-checks, 70+ Vitest unit tests and builds on every pull request, added Playwright visual QA, and wrote the production go-live runbook.
- Built the operating-cost and break-even model the client used to set subscription pricing, and managed client requirements and invoicing.

Achievements and Certifications

- COOi Studios: Project Lead of the Year (Received 2026)
- COOi Studios: The Early Bird Award (Received 2025)
- COOi Studios: COOi Values Award (Received 2025)
- Amazon Web Services Certified Cloud Practitioner (Attained 2026)

Skills

Programming & Full-Stack: JavaScript (ES6+), TypeScript, React, Node.js, Python (Flask, Django), C#, HTML, CSS, Tailwind CSS, Vite, RESTful APIs

Data & Databases: PostgreSQL, Supabase, SQL, MySQL, Power BI, Python Data Analysis

DevOps & Cloud: AWS (S3, Glue, Athena), Vercel, Docker, Kubernetes, GitHub Actions, Octopus Deploy, CI/CD Pipelines, Git

Testing & Quality: Vitest, Jest, Playwright, ESLint, Code Review, Browser DevTools

Security & Integrations: OAuth, Azure AD SSO/OIDC, Row-Level Security, OWASP, POPIA, OpenAI API, Paystack, Adobe Analytics, Adobe Launch

Development Tools: VS Code, Agile/SDLC, Lucidchart

Education

- Bachelor of Information Communication Technology in IoT | Durban University of Technology | Course Average; 80.60%
- Matric | St Charles College for Boys

Leadership

- MICT SETA Lab Assistant
- Council Head (St Charles College)

References

All references available upon request.