

# Phahladira Moja

+2774-792-2461 · phahlamoja08@gmail.com · phahladiramoja.co.za

[Portfolio](#) · [Github](#) · [LinkedIn](#)

---

## SOFTWARE ENGINEER

A dynamic Software Engineer adept at crafting innovative solutions across diverse tech stacks including Full Stack Web Dev, React-Native, and Flutter. Proven adaptability demonstrated by swift mastery of React. Passionate about Clean Architecture, I thrive in collaborative environments, driving project success through creativity and continuous learning.

---

## PROFESSIONAL EXPERIENCE

**Advance.io**

**Dec 2022 - Present**

**Full-Stack Software Engineer**

Projects & Key Responsibilities:

- **EPI-Center:** A real-time document editor akin to Google Docs, facilitating seamless document creation, chapter/sub-chapter manipulation, and synchronization across global counterparts. Enables template-based document creation with automatic syncing of updated structures and content to ongoing projects.
  - Led the reconstruction of the real-time document editor with React, emphasizing clean code practices, reusable components, and improved separation of concerns for enhanced maintainability and scalability.
  - Implemented AWS AppSync with Redux RTK Query, leveraging AWS DynamoDB for efficient data storage and retrieval, ensuring optimal performance and reliability.
  - Seamlessly integrated AWS Amplify with AppSync to incorporate real-time subscriptions within the editor, enhancing collaboration and facilitating immediate updates for users.
  - Implemented AWS Lambda functions, in NodeJs, connected via AWS API Gateway, for efficient processing of strenuous tasks, from the Web-App Frontend.
- **ADP Document Management:** A robust document management and capture system tailored for global payroll systems in large corporate environments. Empowers users with role-based permissions for seamless document upload, deletion, and management. A centralized dashboard ensures efficient capture and facilitation of critical information across the organization.
  - Developed an intuitive document management dashboard utilizing ag-Grids and AngularJS, prioritizing user-friendliness and efficient data management.
  - Integrated .NET APIs seamlessly into the frontend to enable document CRUD operations and other essential services, ensuring smooth communication and functionality.
  - Engineered robust .NET APIs to support frontend operations, implementing comprehensive unit tests for each service and function to guarantee reliability and stability.
  - Leveraged React Stencil JS to create custom reusable components, enhancing the dashboard's flexibility and scalability while maintaining consistency and efficiency.
- **ADP Change Data Capture:** A cutting-edge data migration system engineered to seamlessly transfer data from legacy databases to new databases with minimal downtime. Designed to efficiently handle incoming data and ensure continuous migration to the new database environment.
  - Implemented comprehensive unit testing protocols for the .NET codebase, ensuring robustness, reliability, and adherence to quality standards.
  - Orchestrated RabbitMQ integration with MassTransit within the .NET framework, enabling seamless communication and message handling for enhanced system functionality.

Projects & Key Responsibilities:

- **ClickSendNow:** *An international payment application designed for Africa, facilitating cross-border money transfers to individuals without bank accounts. Utilizes a network of partnered stores for convenient cash collection.*
  - Specialized in migrating the ClickSendNow React Application to an Ionic framework, enhancing cross-platform compatibility and user accessibility.
  - Seamlessly integrated API services into the application, ensuring efficient communication with external systems and data retrieval for enhanced functionality
  - Implemented a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline utilizing AWS Copilot, streamlining the deployment process and ensuring efficient delivery of software updates and enhancements.
- **Momentum:** *A dynamic dashboard for policy quotation and generation. It intelligently adjusts input fields based on the provided information, ensuring relevant questions are asked to gather accurate data for each policy or quote.*
  - Spearheaded JSON file parsing to facilitate the creation of dynamic forms within the Angular framework, streamlining the development process and ensuring flexibility in form generation.
- **Umtuwam:** *A revolutionary dating app, akin to Tinder, operating on a data-free platform. It innovatively reverses billing, charging the application owner hosted on the platform instead of the platform users.*
  - Engineered a serverless Firebase backend tailored for a data-free application on Moya, harnessing the power of cloud functions for seamless data processing.
  - Leveraged cloud functions for efficient processing of information transmitted from the application, ensuring smooth functionality and optimal performance.
  - Implemented push notifications to enhance user engagement and communication within the application ecosystem, utilizing Firebase's robust notification capabilities.
  - Utilized Firestore as a document store to securely store and manage data, facilitating seamless access and retrieval for application functionalities.
  - Integrated Firebase Authentication to ensure secure user authentication and access control, safeguarding user data and maintaining privacy standards.

Projects & Key Responsibilities:

- **Fortio:** *A customizable white-label reverse proxy solution employed to restrict access to blacklisted websites. Ensures users connected to the reverse proxy are unable to access specified websites as per filtering criteria.*
  - Curated a comprehensive list of websites for blacklisting, ensuring adherence to organizational policies and security protocols.
  - Configured Docker containers on Digital Ocean infrastructure to efficiently manage and execute various processes, optimizing resource utilization and scalability.
  - Implemented Kubernetes as an orchestration tool, leveraging Ingress and Egress rules to effectively filter traffic and enforce security measures, enhancing network reliability and resilience.

Projects & Key Responsibilities:

- **Internal Dashboard:** Streamlines tutor request management by tracking student requests and facilitating tutor assignments. Enables automated SMS or WhatsApp notifications to both students and tutors upon assignment. Includes seamless payment gateway integration for online bookings.
  - Developed a dynamic and intuitive dashboard using EJS for server-side rendering, prioritizing user-friendliness and accessibility.
  - Implemented Firebase Cloud Functions to achieve serverless behavior and streamline authentication processes for administrators, ensuring a secure environment.
  - Established a Node.js server alongside Nginx to serve EJS files, leveraging integration with PayFast and Xero for seamless online payment processing of tutoring sessions, enhancing user convenience.
  - Integrated Twilio for real-time SMS and WhatsApp notifications, facilitating prompt communication to confirm bookings and tutor assignments, enhancing user engagement and satisfaction.
  - Oversaw end-to-end deployment of both the website and servers, ensuring smooth production operations and optimal performance.

Projects & Key Responsibilities:

- **P2P Payment Application:** Empowers users to seamlessly send, buy, and sell cryptocurrencies alongside traditional fiat currencies like USD, GBP, and EUR. Facilitates peer-to-peer transactions and enables payment requests between users. Offers versatility by supporting both fiat and cryptocurrencies within a single platform.
  - Developed a user-friendly front-end mobile application utilizing the Flutter framework, ensuring seamless navigation and optimal user experience.
  - Conducted seamless integration between Flutter frontend and backend systems, fostering smooth data exchange and functionality.
  - Implemented Firebase Cloud Functions to enable serverless behavior, enhancing the scalability and efficiency of the application.
  - Integrated Firestore database with Flutter application, ensuring secure and efficient data storage and retrieval processes.
  - Orchestrated Node.js cloud functions integration with external APIs from various third-party services, enabling comprehensive functionality and access to external resources.

---

## KEY COMPETENCIES

- **Back End Development:** TypeScript/JavaScript NodeJs/Express, Golang, C#/.NET
- **Front End Development:** React, NextJs, React-Native, Flutter, Angular, Ionic
- **Databases:** MySQL, SQL Server, PostgreSQL, MongoDB, DynamoDB, Firestore DB
- **Containerization:** Docker, Docker-Compose & Kubernetes
- **Miscellaneous:** Python, Java, Git, Jira, Trello, ClickUp

---

## PERSONAL PROJECTS

- **Airbnb Clone:** [Link](#)
  - **Full Stack Property App:** [Link](#)
  - **Open AI Summarizer:** [Link](#)
  - **Spotify Clone:** [Link](#)
  - **AI Prompt Share:** [Link](#)
  - **Bank Modern Application:** [Link](#)
- 

## EDUCATION

### **University of Pretoria**

Graduate Bachelors Degree in Computer Science

### **Amazon Web Services (AWS)**

AWS Cloud Practitioner, AWS

---

## REFERENCES

### **Julio Cunha from Konk Consulting**

Julio.Cunha@konkconsulting.com

### **Henri van der Westhuizen from Advance.io**

henri.van.der.westhuizen@advance.io

### **Charl van der Westhuizen from EPI-USE Labs**

charl@labs.epiuse.com