

Silindokuhle Lammack Mapiyeye

Full-Stack SaaS Engineer

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Professional Summary

Full-Stack SaaS Engineer with 5+ years of experience building production web applications, REST APIs, SaaS features, integrations, and cloud-deployed systems. AWS Certified Cloud Practitioner, currently preparing for AWS Certified Developer - Associate DVA-C02. Strong in Laravel, PHP, Next.js, React, TypeScript, Redis, MySQL, PostgreSQL, AWS, Docker, Laravel Forge, queues, caching, auth, RBAC, payments, and AI integrations.

Experienced across backend-heavy product development, frontend implementation, database design, API integrations, deployment workflows, debugging, documentation, and mentoring junior developers. Comfortable building systems from scratch, improving existing applications, defining coding standards, and aligning technical decisions with business goals.

Core Skills

Backend: PHP, Laravel, Eloquent ORM, REST APIs, JSON APIs, queues, scheduler, events, notifications, policies, API resources, webhooks, background jobs.

Frontend: Next.js, React, TypeScript, JavaScript, Vue.js, Nuxt.js, Tailwind CSS, responsive design, accessibility, React Server Components, Server Actions, middleware, SEO metadata.

Data and caching: MySQL, PostgreSQL, SQLite, Redis, database design, migrations, seeders, caching strategies, query debugging.

Cloud and DevOps: AWS Certified Cloud Practitioner, AWS Developer Associate DVA-C02 preparation, Laravel Forge, Laravel Vapor, AWS Amplify, EC2, S3, RDS, CloudFront, Route 53, SES, IAM, Lambda, Docker, Docker Compose, Linux, Nginx, Apache, SSL/DNS, CI/CD, GitHub Actions, CloudWatch, Sentry.

Architecture and product engineering: Multi-tenancy, Spatie Permission, RBAC, audit logs, activity logs, rate limiting, scalable system design, SOLID, Clean Architecture, repository/service patterns, admin panels, reporting dashboards.

Integrations and quality: WorkOS, OAuth/SSO, JWT, 2FA/MFA, OpenAI APIs, PayFast/Paystack, third-party SaaS integrations, OpenAPI, Postman collections, PHPUnit/Pest, Playwright, end-to-end testing, code reviews, technical documentation.

Professional Experience

Promilezi

Full-Stack Developer

June 2024 - Present

- Architect, build, and maintain full-stack product infrastructure using Laravel, React, Next.js, Redis, Tailwind CSS, Coss UI/Shadcn UI, REST APIs, Laravel Forge, and AWS services.
- Own backend services, database design, API workflows, frontend integration, and deployment decisions for product features.
- Evaluate and select technology choices that support product goals, scalability, maintainability, and delivery speed.
- Build Laravel server-side logic and integrate it with React/Next.js frontend workflows designed with UI/UX input.
- Define coding standards, development practices, and implementation patterns to improve code quality and maintainability.
- Mentor junior developers through code reviews, implementation guidance, and best-practice adoption.

Worldwide Advisory Services (Pty) Ltd

PHP Engineer

January 2023 - May 2024

- Built and maintained Laravel and Blade applications in an agile software development environment.
- Delivered frontend and backend features while participating in daily standups, sprint work, and stakeholder communication.
- Implemented Laravel application logic, views, and database-backed workflows for business web applications.
- Created wireframes and workflow concepts using Balsamiq to support feature planning and user interface decisions.
- Improved maintainability through Laravel conventions, structured implementation, documentation, and clear handover practices.

Invoke Solutions

Developer

March 2021 - December 2022

- Developed Laravel, Vue.js, Nuxt.js, and Vuetify web applications with MySQL-backed features and API workflows.
- Supported server and infrastructure work across Linux, Windows Server, Docker, Jenkins, Bitbucket, and AWS services including EC2, S3, ECS, VPC, and CloudFront.
- Assisted with security analysis, virtual machine setup, server maintenance, and production support for web systems.
- Collaborated in agile ceremonies and delivered frontend/backend features from requirements through deployment support.
- Used Jira, Bitbucket, Balsamiq, Docker, Python, MySQL, and AWS tools across development and operational workflows.

ICEP

Junior Back-End Developer Intern

January 2020 - July 2020

- Built backend features using Node.js and REST APIs, with Angular frontend integration and Postman API testing.
- Designed database relationships and supported API workflows for internship project delivery.
- Used GitHub, Trello, Visual Studio Code, and agile practices to track work, collaborate, and submit project reports.
- Participated in standups, presentations, leadership activities, and workplace readiness sessions.

Selected Projects

Beauty Salon Management Platform

Next.js, React, TypeScript, Laravel 12, Sanctum, Spatie Permission, Paystack, Multi-tenancy, ECharts, SWR

- Built a full-stack SaaS-style salon management platform covering customer bookings, Paystack payments, wallet and cash flows, product sales, reporting, provider approval, staff workflows, tenant-aware operations, and RBAC.
- Delivered product surfaces for admin, customer, staff, and super-admin workflows, connected to a Laravel API with Sanctum authentication and role-aware access patterns.
- Implemented or integrated booking availability, staff assignment, payment management, product marketplace, tenant profiles, provider approval, reporting dashboards, rewards/referrals, reviews, and global search modules.
- Verified locally with applied backend migrations, 143 API routes, and portfolio proof screenshots for Super Admin, Owner Dashboard, Payment Management, and Services Marketplace.

Document Search Portal

PHP, MySQL/MariaDB, REST API, Angular, TypeScript, Angular Material, PDF Parser, Caching

- Built a full-stack document search application with PDF/TXT upload, content parsing, MySQL FULLTEXT search, fallback matching, suggestions, highlighting, caching, pagination, and a responsive Angular frontend.
- Structured backend behavior into focused services for storage, parsing, search, caching, routing, and API responses.
- Added search caching and debounced frontend search to reduce repeated expensive search work and unnecessary API calls.

Risk Management / RBAC Platform

Laravel API, Next.js, TypeScript, Auth, RBAC, Protected Workflows

- Built a Laravel API and Next.js frontend proof candidate for authentication, protected routes, roles, permissions, and SaaS-style risk-management workflows.
- Positioned the project around role-aware access, admin workflows, frontend API integration, and structured backend responsibilities.

Education

Tshwane University of Technology

National Diploma in Information Technology: Software Development

Completed 2020

Relevant coursework: C++, Linux, networking fundamentals, database principles, SQL, PL/SQL, HTML, systems analysis, UML, system design, and IT project management.

Additional Experience

Student Assistant, Tshwane University of Technology

January 2020 - July 2020

- Supported students with applications, registrations, admissions processes, and administrative communication.

Open Lab Tutor, Tshwane University of Technology

August 2019 - November 2019

- Operated the open lab and supported students with practical computer use and learning activities.