PETER BIKUNDO

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Senior Full-Stack Engineer with over 10 years of experience designing and scaling high-performance financial SaaS systems, transactional engines, and robust multi-tenant platforms. Expert in the Laravel framework ecosystem and modern frontend architectures featuring Vue 3 and Inertia.js. Accomplished in deploying production-ready, AI-backed workflows, integrating complex third-party billing APIs, and writing comprehensive test suites to ensure strict platform integrity and compliance in regulated sectors.

EXPERIENCE

STAFF BACKEND ENGINEER

May 2023 - May 2025 *(2 yrs)*

WORKPAY

- Optimized payroll processing workflows to slash computation and export times from over 3 hours to under 2 minutes.
- Spearheaded GitLab CI/CD pipeline integrations, boosting deployment efficiency by 40% while reducing system downtime.
- Delivered high-availability RESTful APIs maintaining 99.99% uptime, and introduced Pest, Pint, and PHPStan to enforce strict code-quality standards.
- Mentored junior engineers and authored internal troubleshooting guides, reducing incident resolution times by 35% and increasing overall code consistency by 30%.

ENGINEERING MANAGER

May 2022 - Apr 2023 *(11 mos)*

ENEZA EDUCATION

- Led a 15-engineer team in building AWS and Laravel-based SMS, USSD, and web learning platforms, scaling educational content delivery to millions of users via regional telecom partnerships.
- Architected the migration of legacy monolithic infrastructure to Node.js, Elixir, and Python microservices, improving platform scalability and fault isolation.
- Automated CI/CD pipelines using GitHub Actions and AWS CodeDeploy, reducing deployment errors and accelerating release velocity.
- Spearheaded Agile delivery frameworks across cross-functional teams to ensure the consistent, on-time shipping of core platform features.

SENIOR SOFTWARE ENGINEER

Jan 2016 - Mar 2022 *(6 yrs 2 mos)*

ENEZA EDUCATION

- Architected a high-scale Laravel/PHP backend that delivered offline educational content via USSD to millions of users across Africa.
- Spearheaded technical integrations with telecom giants Safaricom, MTN, and Tigo to deploy reliable mobile services across diverse cellular networks.
- Integrated Facebook Graph and Wikipedia APIs to automate the delivery of real-time educational content and increase platform engagement.

SOFTWARE ENGINEER | TECHNICAL LEAD

Sep 2016 - Dec 2017 *(1 yr 3 mos)*

MOOKH AFRICA

- Architected secure Laravel backend systems and optimized database schemas to establish a highly scalable foundation for multi-market transactions.
- Integrated diverse payment processing APIs including Stripe, PayPal, Mpesa, and MTN MoMo to facilitate seamless localized checkout experiences.
- Spearheaded Agile sprints and cross-functional alignment between developers, designers, and stakeholders to accelerate product feature delivery.

SOFTWARE ENGINEER

September 2015 - September 2016 *(1 yr)*

ENEZA EDUCATION

- Architected and launched a scalable Mobile Learning Platform utilizing PHP and AWS, expanding educational access to a broader user base.
- Integrated Wikipedia and Facebook Graph APIs to enrich user profiles, automate content sourcing, and streamline social authentication.
- Developed USSD-enabled learning pathways to deliver critical educational resources to users in low-connectivity regions.
- Provisioned and optimized the AWS cloud infrastructure to support high-concurrency traffic and guarantee platform uptime.

SOFTWARE ENGINEER

October 2014 - September 2015

MARAMOJA TRANSPORT

- Architected real-time API integrations and transactional webhooks to stream location-based logistics data, minimizing latency across distributed services.
- Engineered data pipelines to process complex geolocated logs, providing precise real-time tracking and mapping of fleet operations.
- Designed precise financial calculation systems triggered by transactional webhooks, eliminating billing discrepancies and ensuring automated invoicing accuracy.

EDUCATION

Kenyatta University

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

2009 - 2014

EXPERTISE

PHP LARAVEL VUE 3 INERTIA.JS TYPESCRIPT JAVASCRIPT MYSQL AWS S3 LARAVEL CLOUD NIGHTWATCH PHPUNIT RESTFUL APIS WEBHOOKS BACKGROUND JOBS MULTI-TENANT SAAS FINTECH DOUBLE-ENTRY ACCOUNTING AI PRODUCT INTEGRATION NIGHTWATCH.JS