

JOSEPH AYUK E.

FULL-STACK DEVELOPER & SYSTEM ARCHITECT

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SUMMARY

Full-Stack Developer & Architect who builds proprietary systems with quantifiable business impact. Delivered a \$70K revenue SaaS platform in 6 months, modernized 5 legacy applications to 99.9% uptime, and drove more than 50% operational efficiency gains through strategic technical leadership.

PROFESSIONAL EXPERIENCE

Software Engineer & System Architect (Remote), Premonio, **Present**
San Francisco (USA)

Designed and built the company's flagship B2B product from concept to revenue in six months.

- Architected and launched Premonio GOALS from a spreadsheet concept to a live multi-tenant SaaS product, onboarding 15 pilot customers and generating \$70K in annual contract value within 6 months.
- Engineered a transparent, rules-based GTM simulation engine that replaced manual, error-prone planning, becoming a key sales differentiator.
- Leveraged Laravel and its ecosystem to build enterprise-grade features, reducing initial development time by an estimated 40%.
- Established CI/CD pipelines on Laravel Cloud, enabling a 3-person team to maintain a consistent 2-week sprint cycle with zero deployment rollbacks.

Tech Lead & Product Strategist, CAMTEL **2019 - 2024**
Cameroon

Led the development of proprietary data systems and modernization initiatives that transformed network operations.

- Migrated 5 legacy applications (including network monitoring, and customer billing) to modern frameworks, achieving 99.9% uptime and eliminating critical security vulnerabilities.
- Designed and built a proprietary network failure prediction tool that reduced Mean Time To Repair by 50%, cutting client churn by 7% and securing 20 new enterprise contracts.
- Implemented Agile/Scrum ceremonies for a cross-functional team, increasing feature delivery velocity by 30% and reducing critical bug reports by 25%.
- Translated business objectives into a technical roadmap, prioritizing initiatives with estimated annual cost savings of \$20K.

PROFESSIONAL EXPERIENCE (CONTINUED)

Software Developer, VODAFONE

2017 - 2018

Cameroon

Transformed network operations by building monitoring tools that reduced outage identification time by 94% and eliminated 700+ hours of manual work annually

- Engineered a network monitoring dashboard that provided real-time visibility into site performance, replacing manual reporting and reducing data aggregation time by 12 hours per week.
- Automated data collection and processing by creating ETL scripts, enabling automated report generation and eliminating 8 hours of manual effort monthly.
- Iterated on the network monitoring tool based on user feedback, implementing new features that improved operational efficiency and user adoption by 70%.

Web & Mobile Developer, National Agency for ICT

2016 - 2017

Cameroon

Built the foundation of a mobile service quality verification platform from the ground up.

- Developed a mobile service quality verification platform from the ground up, enabling the agency to monitor SLA from 4 mobile operators.
- Ensured cross-platform compatibility through rigorous testing, achieving 95% compatibility across target devices.
- Maintained and optimized deployed applications, reducing critical bug reports by 20% during tenure.
- Documented technical specifications and validation processes, accelerating new team member onboarding by 15%.

TECHNICAL SKILLS

- **Backend & Architecture:** Laravel (for rapid SaaS development), Node.js, PostgreSQL (for complex data relationships and procedural functions), MySQL, RESTful API Design, Multi-Tenancy, Python.
- **Frontend:** React/Next.js, TypeScript (for building complex, type-safe UIs), Tailwind CSS, Angular.
- **Cloud & DevOps:** AWS, Docker, Vercel, CI/CD (GitHub Actions, GitLab CI/CD), PaaS (Laravel Cloud)
- **Engineering Practices:** Agile/Scrum, CI/CD, Systems Design & Architecture, Legacy Modernization

EDUCATION

Masters of Engineering (M.Eng.) in Telecommunications

2016

National Advanced School of Engineering Yaoundé, Yaoundé (Cameroun)