Jalil Ogunniyi

✉ ja.ogunniyi@gmail.com   ⌾ github.com/darthrighteous   ⦿ Lagos, Nigeria
☎ +(234) 809 948 0333   in linkedin.com/in/jaliloa

*Senior Full-Stack Software Engineer with over 6 years of experience building high-performance web applications using **Ruby on Rails, React.js (Next.js), and PostgreSQL**. Experienced crafting secure, scalable solutions, and leading agile teams to build and maintain high throughput systems - armed with lots of technical war stories.*

PROFESSIONAL EXPERIENCE

Aster BI (Accounting)
Full-Stack Software Engineer | Co-founder

Remote
Jan 2024 — Present

- Designed and built a bookkeeping SaaS (Ruby/Rails/React.js/Typescript), asterbi.com, serving 830+ businesses.
- Independently managed development, maintenance, and deployment (AWS/Self-Hosting) of 5+ key financial tools.
- Processed ₦14B+ in invoices and ₦19B+ in recorded payments and expenses.
- Developed an automated reporting engine generating pre-filled tax schedules, and financial statements.
- Built a robust payment processing system capable of 100k/day transactions with retry and failover mechanisms.
- Engineered comprehensive CI/CD pipelines, with unit, integration, and system testing (Minitest, Capybara, Jest).
- Facilitated secure API integrations with 2 payment partners (Paystack, Payonus).
- Implemented a Role-Based Authentication Control system with granular data access controls.
- Designed real-time monitoring dashboard (self-hosted Metabase), tracking 30+ KPIs steering product direction.
- Integrated application performance monitoring (NewRelic) across all apps and infrastructure.
- Implemented a subscription management system with feature-based plans, and prorated payment handling.
- Directed product strategy, engaging directly with customers (clarity calls, community) to gather requirements.

Branch International (Lending & Payments)
Senior Software Engineer
Software Engineer

Remote
Oct 2021 — Dec 2023
Apr 2019 — Oct 2021

- Architected debit card payment system (Ruby/Rails/Android), handling $4M+/yr transactions with 99.99% uptime.
- Scaled core mobile wallet infrastructure, processing 5.2M+ transactions annually across 4 countries.
- Engineered NIBSS payment API integration (SOAP XML), saving around $2m annually in bank transfer fees.
- Designed backend-driven UI system (Ruby/Rails/REST), enabling optimizations in onboarding and payment flows.
- Automated payment gateway switching via rolling-window disbursement volume tracker (Ruby/Rails).
- Built PCI-compliant encryption microservice (AWS/Java) handling debit card tokenization requests with HMAC.
- Designed a financial reconciliation system (SQL/Rails) for 5+ payment integrations, reducing settlement errors.
- Implemented API integration framework (Rails Engine) with webhook handling, SOAP/REST support, and retries.
- Developed a Foreign Function Interface (Rails Engine) to execute Java, reducing payment processing latency.
- Integrated GTBank cash payments (Ruby/Rails), processing $3.6M annually, supporting core financing strategy.
- Created account statement service (Redis/Resque) generating 1M+ monthly PDF reports across 4 products.
- Established app monitoring best practices, reducing crash/ANR by 45% — resulting in better store rankings.
- Constructed derived tables using Airflow DAGs in analytics ELT pipeline, to optimise customer journey reporting.

Andela (Talent)
Software Engineer

Hybrid, Lagos
Oct 2018 - April 2021

- Enhanced a talent management app (Ruby/Rails/Javascript) with interactive tutorials and surveys, increasing NPS.
- Mentored 8 junior engineers in technical and product development skills through the Stackup program.

TECHNICAL SKILLS

Technologies & Frameworks
Rails, Sidekiq, Next.js, React.js, Android

Devops & Cloud
AWS(EC2, S3, RDS, Lambda), Docker, GitHub Actions, CircleCI, Heroku

Languages
Ruby, Javascript, Typescript, Kotlin

Monitoring & Analytics
Datadog, New Relic, Metabase, Sisense, Google Analytics

Datastores
PostgreSQL, Redis, SQLite, Snowflake

Other skills & Tools
REST API Design, Git, Security, Testing, Performance, System Design

PROJECTS

- Active Record ObscuredID (Ruby) - Open source (400+ downloads) library for generating exposable IDs for Rails models.
- Paystack Gateway (Ruby) - Open source(350+ downloads) library providing modules binding to the official paystack API.

EDUCATION

University of Birmingham, UK. **BEng, Electronics & Electrical Engineering**
10/2013 — 07/2016

Built a C++ application which modelled the particle filtering algorithm for SLAM(simultaneous localization and mapping).