Jalil Ogunniyi

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*Senior full-stack software engineer with **6+ years of experience** building and scaling web applications, specializing in **Ruby on Rails, React.js, PostgreSQL**. Experienced independently managing projects from ideation through to production. Experienced leading teams to build and maintain high throughput systems - armed with lots of technical war stories.*

EXPERIENCE

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

Remote
Jan 2024 — Present

- **Built and launched** a bookkeeping product, www.asterbi.com, from scratch using **React.js (Hooks, context API, Next.js)** and **Ruby on Rails**.
- **Led product direction**, conducting 40+ customer clarity calls, defining requirements and executing implementation.
- Scaled to **800+ customers, independently managed product development** to deliver 5+ key financial tools, including automated VAT and WHT forms, on-demand financial statements.
- **Processed 4,000+ invoices** in the first year, along with support for expense tracking, business reports, taxes, and role-based access control.
- Designed and implemented a robust **payment processing system capable of 100k daily payments**, supporting retries, fallbacks, fees, settlements, and reconciliation. Facilitated **API integrations with 2 payment partners**.
- **Integrated real-time monitoring tools** and self-hosted Metabase dashboards for **tracking 30+ key performance metrics**.
- **Built a subscription management system** with feature-based plans, trial periods, renewals and prorated payments.

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

Remote
Oct 2021 — Dec 2023
Apr 2019 — Oct 2021

- **Led team of 5 to develop and launch** debit cards, handling **$80k in weekly transactions**. Built the card application **Android UI (Kotlin)**, and admin tools (**Ruby on Rails**) for card production, delivery, disputes, and reconciliation.
- **Integrated NIBSS payments** into **Ruby on Rails** monolith, **saving $40k/week** in bank transfer fees.
- **Built a server driven-ui system** across **Ruby on Rails** and **Android**, enabling optimizations in onboarding and payment flows for all product teams.
- Established **app monitoring best practices, reducing crash/ANR by 45%** over 12 weeks and boosting play store rankings.
- **Led technical team of 7** to build and maintain a **wallet system handling 100k+ weekly transactions** across Nigeria and Kenya; increasing monthly active users by 25% in the first 12 weeks.
- **Integrated GTBank payments** using **Ruby on Rails, processing $70k/week** in cash payments, supporting loan financing strategy.

Andela (Talent)
Software Engineer

Hybrid, Lagos
Oct 2018 - April 2021

- Enhanced a talent management app(**Ruby on Rails/Javascript**) with surveys and interactive tutorials increasing NPS from 5 to 6 in 12 weeks.
- **Mentored 8 junior engineers** in technical and product development skills through the Stackup program.

TECHNICAL SKILLS

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

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

Languages
Ruby, Javascript, Typescript, Kotlin

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

Datastores
PostgreSQL, Redis, SQLite, Snowflake

Other skills & Tools
REST API Integration & Design, 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(300+ 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).