

Timileyin Farayola

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Highly motivated and detail-oriented software engineer with over 2 years of experience in designing, developing, and deploying scalable software applications. Proficient in a range of programming languages, including Java, Python, JavaScript and TypeScript. Strong understanding of computer science fundamentals, data structures, and algorithms. Excellent problem-solving skills, with a proven ability to work effectively in team environments.

Technology Summary

- Programming languages: Java, JavaScript, TypeScript, Python
- Development frameworks: ExpressJS, NestJS, NextJS, React
- Working knowledge of: Spring Boot, Django, FastAPI, C#, Go, Laravel, PHP, Flutter, Dart, Terraform
- Databases: MySQL, MongoDB, PostgreSQL, Firestore, Redis
- Tools: NodeJS, GCP, Docker, Kubernetes, Firebase, Git
- Operating Systems: Windows, Linux
- Others: Object-oriented & Functional programming, REST API, Microservices, Serverless, Mobile (Android), Backend & Frontend development, Agile methodologies, CI/CD, DevOps, API design, unit, integration & E2E testing

Work Experience

Orokii Inc -- East Brunswick, NJ, USA (Remote)

Software Engineer, 2022 to 2024

- Built and published a private chrome extension (internal tool) used by 4 departments (internal stakeholders) to generate various business reports for marketing, compliance and auditing purposes using HTML, CSS and JavaScript.
- Provisioned a remote coding workspace infrastructure for 3 developers with Terraform, Coder and Docker on a Kubernetes cluster running on GCP.
- Drastically reduced the volume of fraudulent transactions by 90% by implementing a robust rule engine containing set rules to run every transactions against before being executed and flags them and the user when the checks fails.
- Drastically minimized the onboarding of users using doctored/falsified ID documents for sign-ups by 90% via the integration with third-party APIs with the SDK for performing compliance check, liveness check, facial matching and morphological check.
- Improved users' interactivity with the app by 60% via the implementation of real-time push notifications and transaction receipt emails, providing users with timely updates and improving overall communication efficiency.
- Boosted the volume of transactions and revenues made on the app by 45% via the implemented rewards feature that rewards users with discounts for making transactions on the app.
- Increased business revenue by 30% via architecting REST APIs that allows external stakeholders leverage the payment solutions provided by the business.
- Integrated with third-party APIs that allows users make deposits, withdrawals and make payment transactions on the app.
- Setup background jobs to periodically back-up databases, check and send friendly reminders to nudge users with incomplete sign-ups, users who haven't performed transactions in a while and users with soon to be expired KYC documents to take necessary actions.

IGov Africa -- Nairobi, Kenya (Remote)

Software Engineer, 2021 to 2022

- Collected, defined and translated user requirements into project designs and implementation plans.
- Built an e-commerce marketplace web application that enables trading amidst small and medium enterprises (SME).
- Created and maintained technical documentation, wrote unit and integration tests for the frontend React and NodeJS backend application.
- Implemented and maintained a CI/CD pipeline to automate running tests, building and deployment of the application thereby helping the team with identifying defects introduced into the code base and

improving efficiency by 80%.

Andela -- NY, USA (Remote)

Software Engineer (Backend, DevOps), 2018 to 2019

- Developed software applications using NodeJS, JavaScript, TypeScript, PostgreSQL, Test-Driven Development (TDD) and micro-services approach in an Agile-driven environment.
- Provisioned and managed CI/CD pipelines with Jenkins & Circle CI to automate running tests, building and deployment of software applications to Kubernetes clusters on Google Cloud Platform (GCP).
- Automated the creation of cloud infrastructures (IaC - Infrastructure as Code) for running deployed software applications using tools like Terraform, Packer and Ansible.
- Made use of Stackdrivers monitoring agent on Google Cloud Platform to monitor application metrics in order to minimize downtime.

Education

Federal College of Animal Health & Production Technology -- Ibadan, Oyo, NG

National Diploma (ND) in Computer Science (2012 - 2015)

Certificates, Courses & Qualification

- [Foundational C# with Microsoft - freeCodeCamp - 2024](#)
- [Introduction to Computer Science & Programming using Python \(6-00-1x\) - edx.org \(MITx\) - 2018](#)
- [Android App Development Beginners Course - Udacity.com - 2017](#)

Projects

USSD Transakt App, USSD Transakt App is an app that enables users to carryout USSD banking transactions via the various Nigerian banks' USSD services on their mobile phones without internet access. The app curates most of the USSD codes for major Nigerian banks and makes it easy for users to dial the USSD codes straight away on the application without the need to memorize them. They can also get saved phone numbers and account numbers they want to fund from their phonebooks directly.

Technologies used: Flutter, Dart and Android Studio.

App Video Demo: <https://youtu.be/8ya8LXfiVDs>

App Download Link 1: <https://ussd-transakt-app.en.uptodown.com/android>

App Download Link 2: <https://www.amazon.com/dp/B0D32LBHN4>

App Showcase Page: <https://ussd-transakt-app.w3spaces.com/>

Anonymous Real-Time Chat Platform, A real-time messaging web application for chatting anonymously with strangers on the internet.

Technologies used: HTML, JavaScript, Go, WebSocket, JWT & PostgreSQL.

<https://chatty-5o1n.onrender.com> <https://github.com/rafmme/anony-chat>

Deals Finder, A REST API that scrapes and returns deals on products that falls within a given price range & of a product on the two popular e-commerce websites in Nigeria.

Technologies used: Python, FastAPI, Selenium, Chromium & BeautifulSoup.

<https://dealz.onrender.com> <https://github.com/rafmme/price-alerter>

Job Search Tool, A web application for searching provided job sites for posted jobs and sends the jobs.

Technologies used: Go & Google Custom Search Engine.

<https://job-searcher.onrender.com> <https://github.com/rafmme/job-search>

Languages

- English Language - Fluent
- Español (Spanish) - A1 Level
- Deutsch (German) - A1 Level