

# Damilare Agbabiaka

## Full-stack Software Engineer (Web 2 & 3)

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## PROFILE

Fullstack software engineer with 4+ years of experience building scalable and reliable systems with growing expertise in blockchain technology. I have built web and mobile applications using React JS, Next.js, ExpressJS, NestJS, GoFiber, Django, Javascript, TypeScript, Golang, and Python. I'm a quick learner and an effective team player who thrives at independent work. I am passionate about developing innovative solutions that solve real-world problems.

## SOFT SKILLS

- I have excellent written and verbal communication, collaboration, and interpersonal skills.
- I am skilled in managing time efficiently and adept at collaborating with cross-functional teams.
- I possess strong organizational skills and a keen eye for detail
- I can effectively handle multiple projects and meet deadlines.
- I possess a multi-disciplinary skillset and can quickly adapt and learn new skills.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Go, Solidity, Rust, SQL, HTML & CSS, Java, C#.

**Frontend:** ReactJS, Next.js, Bootstrap, Tailwind, Figma.

**Backend:** Flask, Django, Fiber, NestJS, ExpressJS, Node.js,

**Databases:** MySQL, MongoDB, PostgreSQL, MSSQL, Fauna, SQLite.

**Development Tools:** Linux, Postman, Swagger, Docker, GIT/GitHub, Celery, RabbitMQ, Redux, Kubernetes, Selenium, Jupyter, Mocha, Jasmine, Cypress, Sentry, VS Code, IntelliJ, Jira.

**Servers:** AWS, GCP, Digital Ocean, Apache, Heroku.

**Methodologies:** Agile, Lean, UML Waterfall.

**Web3 Tools:** Trello, Hardhat, Moralis, Alchemy, Ethers.js.

**MISC:** CI/CD, Technical Writing & Research, Community Management, Data Structures & Algorithms.

## EDUCATION & QUALIFICATIONS

[International University of Applied Sciences, Germany](#) - CyberSecurity [2023]

[University Of Lagos, Nigeria](#) - BSc. Computer Science [2022]

## WORK EXPERIENCE

### Full-stack Engineer + Team Lead | Full-time

**Papayr LTD, Buckinghamshire, England**

**2023 - Present**

- I collaborated with cross-functional teams to gather requirements, define project scope, and deliver high-quality software solutions.
- I performed full-stack development across the complete development life cycle, delivering highly available cloud solutions.
- I collaborated with designers to implement responsive and user-friendly UI/UX designs.
- I implemented REST APIs for mobile and web apps using Nest.js, GoFiber, and PostgreSQL.
- Actively involved in bug fixing during the system testing, Joint system testing, and User acceptance testing
- I improved code quality and maintainability by implementing best practices and code reviews.
- I implemented CI/CD pipeline using Docker and Digital Ocean, resulting in faster and more efficient deployments.
- I improved the application's performance and scalability by implementing caching and load balancing.

## Software Engineer & Technical Writer | Contract

CodeSee - OSH, San Francisco, California

2022 - 2023

- I improved overall efficiency and reduced time spent doing small and repetitive tasks by automating several processes on Discord and Twitter by writing bots.
- I interacted with dockerized images that contain local backend source & local Postgres database Migration/Seeding Information to work under a docker environment.
- I created articles, publications, broadcast messages, and tweets based on the current trends in the tech space and the OSH community.
- Created Single page applications with React using Hooks, redux for state management; or using previous React state object plus lifecycle for component's internalize stateful management.
- Speed up content curation processes by writing tailor-made web scrapers.
- I organized and managed an online hackathon with community members which saw over 15 participants and seven exciting projects.

## Back End Engineer | Full-Time

Yebox Technologies, Lagos, Nigeria

2022 - 2023

- I performed software development across the complete development life cycle to deliver highly available backend solutions and add new capabilities to existing applications.
- I actively created and deployed endpoints for products using the agile system, reducing overall time spent working on projects as opposed to previous timelines.
- I collaborated with other engineers in creating a company boilerplate for building robust backend applications with optimal structure and architecture.
- I optimized app images by converting large-size images to more web-friendly JPEG, PNG, and WebP of varying dimensions, using Sharp, a popular high-performance Node.js module.
- I integrated with 3rd party APIs like Twilio (SMS), Stripe (Payment), and SmileId (KYC).
- I processed live data streams, extracting the required data and presenting it in a desired format (JSON format) consumable by the front end of the application team.
- I improved the performance and reliability of the system by breaking down the monolith into various microservices.
- I implemented caching and load balancing, improving the performance and scalability of various applications.
- Experience in migrating various PostgreSQL databases on different platforms
- Extensively used regular expressions and core features in Python using lambda, map, reduce, etc, and effectively implemented logging features using Python logging library and profiling using cProfile.

## Back End Engineer + Team Lead | Full-Time

FirstFounders Inc, Lagos, Nigeria

2021 - 2023

- I was involved in consuming and developing RESTful Web Services using Typescript, Golang, PHP, and Python.
- I Improved the overall productivity of the tech team by implementing a metric tracking and logging system.
- I created an API that collects data in CSV, JSON, or EXCEL format and produces a crosstab of the categorical features in JSON format, correspondence, and multiple correspondence analysis plots in jpeg format connected to AWS S3 storage and testing the response using Postman.
- I wrote and advocated good coding practices like integration tests for company projects using Jest and Enzyme to ensure efficiency, easy debugging, and documentation for easy understanding and rapid front-end integration.
- I helped individual teams set up their repositories in GitHub to maintain their code.
- I implemented CI/CD pipeline using Docker and AWS, resulting in faster and more efficient deployments.
- I reviewed PRs made by other engineers and provided feedback for better performance.
- I created efficient MongoDB queries using MQL and aggregation pipeline
- I performed database performance tuning and optimization to ensure optimal performance
- I implemented database backup and disaster recovery procedures to ensure data availability and integrity for MongoDB and PostgreSQL databases.