

# Damilola Michael Ige

Software Engineer (iOS, FullStack, Cloud) | [idm.calculus@gmail.com](mailto:idm.calculus@gmail.com) | +447771095357 | [LinkedIn](#) | [GitHub](#) | United Kingdom

## SKILLS/TECHNOLOGIES

JavaScript, TypeScript, Python, Swift, PHP, Node.js, Nest.js, React, Next.js, Vue.js, Angular, jQuery, Django, Flask, FastAPI, SwiftUI, UIKit, Laravel, WordPress, DynamoDB, MongoDB, PostgreSQL, MySQL, SQLite, TypeORM, Prisma, EloquentORM, SQLAlchemy, DjangoORM, AWS, GCP, GraphQL, RESTAPI, Elasticsearch, Git, OpenAPI, OAuth2/JWT, CI/CD, GitHub Actions, Pulumi, Docker, Kubernetes, Jest, Jasmine, Mocha, Cypress, HTML, CSS, Bootstrap, TailwindCSS

## WORK EXPERIENCE

### Backend Developer (Volunteer, Part-time)

[Trusted Transfers](#)

Jan 2023 – Dec 2024

- Achieved a **95%** improvement in API response times by restructuring large tables into smaller, optimised ones, creating an archive for historical data, updating outdated packages, and transitioning resource-intensive cron tasks to **AWS Lambda**.
- Successfully deployed microservices using **AWS ECS Fargate**, **RDS**, and **VPC** private subnets via Pulumi, reducing infrastructure provisioning time by 50% and ensuring security, efficiency, and automated scalability under high traffic loads.
- Implemented Pulumi and GitHub Actions to provision and manage AWS resources (EC2, S3, IAM) in a repeatable, version-controlled manner, cutting manual deployment steps by 80%.
- Tech Stack:** Typescript, Node.js, Tsoa, OpenAPI, Python, Flask, AWS (IAM, S3, EC2, VPC, ECS, CloudWatch, Lambda, Amplify, ECR)

### Software Engineer II

[Aeeiee Inc.](#)

Oct 2022 – Sep 2024

- Developed the [Catch-the-Ghost](#) iOS app, built using **SwiftUI**, **UIKit**, and **CoreData**, that gamifies productivity, enhancing user engagement.
- Repaired iCloud sync functionality for our [Dress measurement](#) iOS app, reducing customer complaints by over **85%**.
- Constructed and launched a **medium-scale productivity application and admin dashboard**, achieving **~10k users** in the initial five months of operation.
- Outlined and executed a highly scalable and efficient backend architecture, database models, and APIs consumed by the client-side.
- Elevated performance of a large-scale Next.js web app by integrating **React Query** for data fetching, streamlining state with Redux, implementing code splitting and lazy loading techniques, and applying memoization, enhancing user experience.
- Revamped legacy AngularJS admin panels by incrementally migrating them to **React/TypeScript**, preserving core business logic, reducing technical debt by **30%**, and enhancing maintainability without disrupting user workflows.
- Established a platform with secure authentication, real-time data streaming, and bulletproof state logic, delivering **buttery smooth UX** for high-traffic scenarios.
- Formed and implemented a scalable, serverless architecture utilising **AWS Lambda** and **API Gateway**, reducing infrastructure costs by **35%** and improving deployment speed by **40%** through efficient event-driven computing and **API management**.
- Automated and integrated **CI/CD** pipelines using **AWS CodePipeline** and **GitHub Actions**, achieving a **99.9%** deployment success rate and reducing release cycle time from weekly to daily.
- Structured and deployed a scalable Flask system to **AWS ECS** that dynamically populates a PostgreSQL production database from Excel datasets and integrated Redis caching and Gzip compression, reducing API response times by over **50%**.
- Upgraded **PHP8/Laravel** REST APIs using **Eloquent ORM** for **MariaDB** optimisation.
- Tech Stack:** Javascript, Typescript, Node.js, Nest.js, React, Next.js, Vue.js, jQuery, Python, Django, Swift, SwiftUI, UIKit, PHP, Laravel, WordPress, HTML, CSS, SASS, Bootstrap, TailwindCSS, PostgreSQL, MySQL, SQLite, SwiftData, CoreData, Jest, Pytest, XCTest, AWS, GCP, Firebase, OAuth2/JWT, CI/CD

### Full Stack Engineer

[Aeeiee Inc.](#)

Sep 2020 – Sep 2022

- Built accessible UIs with Vue.js, Tailwind CSS, Vite, and D3.js; automated CI/CD via Jenkins, achieving **98%** test coverage.
- Wrote scripts for migrating and remodelling the existing production data of over 100,000 rows to a new data store and implemented an optimised data structure for all data points, resulting in an **83%** reduction in the original storage size.
- Implemented APIs for importing and exporting data to and from CSV files to the new data store, built the tool's UI, and connected all existing charts and tables to the latest data store.
- Implemented an auto-backup feature that automatically exports our database from RDS and saves it in S3 daily using AWS Lambda.
- Developed and optimised the Dress Measurement API, reducing latency by 50% for improved performance and responsiveness.
- Integrated Pipedrive APIs with the client's Gravity forms, eliminating manual record transfers and boosting conversion rates by 50%.
- Engineered a standalone email alert system using AWS SES and SNS, increasing productivity by 150% and reducing the error rate from 2.5% to 0.5%.
- Designed page builder template with Advanced Custom Fields' Flexible content, shortening new page creation time by 67% and offering unique UI and UX for each page created.
- Tech Stack:** Javascript, Typescript, Node.js, Nest.js, React, Next.js, Vue.js, jQuery, Python, Django, Swift, SwiftUI, UIKit, PHP, Laravel, WordPress, HTML, CSS, SASS, Bootstrap, TailwindCSS, PostgreSQL, MySQL, SQLite, SwiftData, CoreData, Jest, Pytest, XCTest, AWS, GCP, Firebase, OAuth2/JWT, CI/CD

### Fullstack Engineer (Volunteer, Part-Time)

[RCCG Information Gateway](#)

Dec 2020 – Dec 2022

- Transformed monolithic apps into modular Node.js microservices using Express, enhancing performance and scalability within a microservices architecture, improving transaction efficiency by 40%, and optimising database operations with Knex.js (PostgreSQL).
- Implemented **Multer** and **AWS SDK** for efficient file uploads and S3 storage, supported by automated Swagger documentation.
- Advocated for Test-Driven Development (**TDD**) and established **CI/CD** pipelines using **AWS CodePipeline** and **CodeBuild**, combined with automated testing (**Mocha/Chai**) and security checks to reduce release cycles from weeks to days.
- Tech Stack:** JavaScript, Node.js, Express.js, Mocha, Chai, AWS, Knex, PostgreSQL

**Senior Full Stack Developer**[Versa Haven Resources Ltd.](#)**Mar 2020 – Jul 2020**

- Led a team to rebuild web fronts and dashboards for a multi-investment platform, integrating payment gateways, developing financial reporting features, and ensuring PCI-DSS compliance to enable real-time financial metric calculations.
- Boosted security efficiency by 17% by eliminating SQLi/XSS vulnerabilities and championed Angular coding standards, reducing production bugs by 30%.
- Streamlined CI/CD pipelines with Jenkins, Angular CLI build, and Dockerized deployments, automating Karma/Jasmine test suites to cut release cycles by 40% and ensure zero critical post-deployment defects.
- **Tech Stack:** Typescript, Angular, RxJS, Bootstrap, Material UI, Angular Material, PHP, Laravel, AWS, Adobe XD

**Full Stack Engineer**[HNG Tech](#)**Mar 2019 – Feb 2020**

- Built an LMS frontend with Oracle JET (oj-train, oj-data-grid, oj-chart) using MVVM architecture and Laravel integration; developed blog module with WYSIWYG editor and custom emojis, boosting engagement by 25%.
- Engineered real-time notifications via WebSocket (Laravel Echo) and Knockout observables, reducing latency by 40%; optimised data flow using Oracle JET's oJFetch and REST APIs.
- Built a Slack bot to automate birthday tracking and wishes, reducing HR tasks and boosting team engagement. Scaled real-time Slack command handlers, achieving fast response times.
- **Tech Stack:** Javascript, Node.js, Oracle JET, Knockout.js, Backbone.js, Require.js, PHP, Laravel, AWS Lambda, DynamoDB, API Gateway

**EDUCATION**

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**University of Ibadan**, MSc Petroleum Engineering**Jan 2013 – Feb 2015****University of Ibadan**, BSc Petroleum Engineering**Jun 2005 – Oct 2010**