

Damilola Michael Ige, Software Engineer

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PROFESSIONAL SUMMARY

As a versatile software engineer with eight years of experience (three in the UK), I specialise in delivering scalable cloud-native applications. I have a strong command of JavaScript, TypeScript, Node.js, React, Next.js, Vue.js, Java, Springboot, PHP, Laravel, Python, and Django. My expertise includes leading the design of AI-powered systems, such as ML-driven fraud detection and analytics pipelines, and building secure, high-performance solutions on AWS and GCP. I am skilled in TDD, CI/CD, and Agile methodologies, thriving in fast-paced teams. I am also adept at mentoring junior developers and driving technical excellence from concept to production.

KEY SKILLS

- **Programming languages:** JavaScript, TypeScript, Java, PHP, Python, Swift
- **Frameworks:** Node.js, React, Next.js, Vue.js, Nuxt.js, Nest.js, SpringBoot, Laravel, Symfony, Django, Flask
- **Databases:** Postgresql, MySQL, MongoDB, JPA, Hibernate, EloquentORM, DjangoORM, SQLAlchemy, Prisma, Mongoose, TypeORM
- **Cloud:** AWS, GCP, Azure, Pulumi, Terraform, Heroku, Firebase, Vercel, Netlify, Railway
- **Testing:** JUnit, PHPUnit, Pytest, unittest, Jest, Cypress, Jasmine, Vitest
- **CI/CD:** Docker, Docker Compose, GitHub Actions, Jenkins, Circle CI, Travis CI
- **AI/ML:** LangChain, Hugging Face Transformers, OpenAI API, Pinecone, scikit-learn, prompt engineering

EXPERIENCE

Senior Software Engineer (Part-time), Trusted Transfers

Oct 2024 – June 2025

- I showed initiative and strong problem-solving skills by improving API response times by 95% by restructuring the database and offloading tasks to AWS Lambda.
- I deployed the app to AWS ECS Fargate with Pulumi, cutting setup time by 50%, a result of clear and proper planning and cross-team coordination.
- I rewrote GitHub Actions and Pulumi scripts to streamline CI/CD, halving deployment times and demonstrating time management and attention to detail.
- I used code-splitting, lazy loading, and caching to improve page speed by 45%, balancing performance gains with team feedback and user needs.
- I cut bundle size by 30% and raised the Lighthouse score from 70 to 95, driven by a focus on efficiency, collaboration, and high standards.
- I integrated an AI-powered anomaly detection service using scikit-learn and PyOD, reducing fraud-related incidents and showcasing a proactive approach to platform security.

Tools/Skills: Java, Springboot, JavaScript, TypeScript, React, Vite, Python, PyOD, scikit-learn, MySQL, JPA, Hibernate, JUnit, Jest, AWS, OAuth2/JWT, Pulumi, GitHub Actions, Docker, Docker-Compose, Postman, Rest Client, Openapi, Swagger

Software Engineer, Aeeiee Inc.

Sep 2020 – Sep 2024

- I led the launch of a productivity app and dashboard, reaching 10k users in five months, driven by meticulous planning, cross-functional collaboration, and iterative delivery.
- I built a React/TypeScript platform with Redux, secure auth, and real-time data streaming, balancing technical depth with a user-focused mindset to deliver seamless UX under high traffic.
- Migrated AngularJS admin panels to React/TypeScript, maintaining core logic and minimising disruption, demonstrating adaptability and pragmatic refactoring.
- Developed an AI chatbot using Dialogflow and Firebase, automating FAQs, improving user support, and reducing ticket volume, demonstrating problem-solving, innovation, and a user-centric approach.
- I boosted a Next.js app's performance by optimising state, lazy loading, and memoization, improving UX through thoughtful problem-solving.
- Automated Pipedrive API integrations with Gravity Forms to improve workflow efficiency and scalability.
- Developed a standalone email alert system leveraging AWS SES and SNS, significantly boosting team responsiveness and data accuracy through proactive operational improvements.
- I built CI/CD pipelines with CodePipeline and GitHub Actions, integrating security scans and IAM controls, reflecting strong organisational and DevOps skills.

Tools/Skills: JavaScript, Typescript, Node.js, React, Next.js, Angular, Python, Flask, PHP, Laravel, WordPress, React Query, PostgreSQL, MySQL, Firebase, Dialogflow, Jest, Jasmine, Cypress, pytest, AWS, GCP, GitHub Actions, OAuth2/JWT, CI/CD, Docker

Senior Full Stack Developer, Versa Haven Resources Ltd**Mar 2020 – Jul 2020**

- I created PCI-DSS-compliant payment flows with Angular and D3.js for real-time metrics.
- Adopted Angular best practices to mitigate SQLi/XSS vulnerabilities, enhancing security by 17%.
- Conducted code reviews and upheld Angular standards, reducing bugs by 30% and enhancing onboarding efficiency.
- Leveraged Jenkins and Docker for CI/CD automation, accelerating release cycles by 40% while maintaining speed, reliability, and organised delivery.

Tools/Skills: Typescript, Node.js, Angular, PHP, Laravel, RxJS, Bootstrap, Material UI, Angular Material, HTML, CSS, SASS, PostgreSQL, Jest, AWS, CI/CD, Adobe XD, Insomnia

Full Stack Engineer (Part-time), HNG Tech**Mar 2017 – Feb 2020**

- Designed and implemented an LMS frontend using Oracle JET and Laravel, incorporating an emoji-rich blog that boosted user engagement by 25%.
- Developed real-time WebSocket notifications and optimised API data flow as part of a cross-functional team, achieving a 40% reduction in latency.
- Collaborated to build a Slack bot using AWS Lambda and DynamoDB for automated birthday reminders, reducing HR workload by 40% and ensuring 100% uptime.

Tools/Skills: JavaScript, Node.js, Oracle JET, Knockout.js, Backbone.js, Require.js, PHP, Laravel, AWS Lambda, DynamoDB, API Gateway

ADDITIONAL EXPERIENCE**Facilitator (Maths, Quantitative Reasoning)**, Mack IV Consult**Feb 2017 – Feb 2020****Depot Superintendent/Technical Officer**, CITA Petroleum Limited**Apr 2015 – Feb 2017****EDUCATION****MSc in Petroleum Engineering**, University of Ibadan (Oyo State, Nigeria)**Jan 2013 – Feb 2015****BSc in Petroleum Engineering**, University of Ibadan (Oyo State, Nigeria)**Jun 2005 – Oct 2010****CERTIFICATIONS****JP Morgan Chase & Co Software Engineering Job Simulation**, Forage**May 2025****How to Implement Search Algorithms with Python**, Codecademy**Apr 2022****Applied Data Science I: Scientific Computing & Python (with honors)**, World Quant University**Mar 2021****PROJECTS****Word Game Challenge****Jun 2024 – Feb 2025**

- Developed an open-source word-guessing game using HTML5, vanilla JavaScript and a modular architecture, ensuring responsiveness.
- Enhanced the user experience by implementing real-time letter validation and an interactive colour-coded feedback system.
- Integrated the Datamuse API with custom filtering algorithms to create an adaptive word dictionary with appropriate difficulty levels for words of varying lengths.
- Built a performance-optimised game state management system with local storage integration, which included real-time scoring, game statistics tracking, and persistent high-score functionality.

Tools/Skills: HTML5, CSS, JavaScript, APIs, state management, modular design, responsive design, interactive feedback

Live Demo: <https://word-game-challenge.vercel.app/>

GitHub: <https://github.com/idmcalculus/wordGameChallenge>

Precis**Oct 2023 – Oct 2023**

- Precis is a full-stack web application for visualising and analysing rainfall time-series data.
- It provides interactive data visualisation tools, statistical analysis, and geospatial mapping capabilities to help users understand rainfall patterns in central Birmingham.

Tools/Skills: Python, Flask, JavaScript, HTML5, CSS3, SCSS, Pandas, NumPy, Plotly, Plotly.js, Leaflet.js, noUiSlider, Flatpickr, Webpack, Babel, Axios, Bootstrap, SQLite, PostgreSQL, Docker, AWS (ECS, RDS, ECR, VPC, ALB), IaC (Pulumi), GitHub Actions, CI/CD, Git

GitHub: <https://github.com/idmcalculus/precis>