# JAMAL ONANUGA

Linkedin · GitHub · Portfolio

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## SKILLS

| | |
|---|---|
| Programming Languages: | TypeScript, JavaScript, SQL, HTML, CSS, Python |
| Frameworks & libraries: | React, Next.js, Angular, Tailwind, Redux |
| Backend & Databases: | PostgreSQL, MongoDB, Mongoose, Sequelize, Supabase, Koa, Node.js, Express |
| Tools & Testing: | Git, GitHub, Vitest, Jest, JWT, TanStack Query, Figma, Framer Motion |

## WORK EXPERIENCE

**JO.tech(freelance),** *Full Stack Software Engineer* — London, UK — 2023 - Present

### Genny Jobs

- Collaborated with a team of two developers on a platform for users to share job reviews and workplace insights.
- Led the conversion of the codebase to TypeScript, enhancing type safety, improving stability by 40%, and reducing runtime errors by 35%.
- Developed a test suite using SuperTest, increasing test coverage by 60% and improving code reliability.
- Optimized state management by identifying and refactoring redundant code, resulting in a 20% reduction in page load times and improved performance.

### Goss

- Worked in a team of 5 engineers to develop a social networking platform that connects users through voice notes and AI-generated interactions.
- Developed core messaging and profile functionalities, enabling seamless communication and personalised user interaction. This included implementing real-time messaging and notifications, which elevated the platform's interactivity and responsiveness.
- Handled both front-end and back-end development using Next.js, Supabase, Tailwind CSS, and PostgreSQL, ensuring efficient data flow and visually cohesive, responsive design throughout the application.

### PandaPath

- Developed a personalized itinerary planning platform for trips to China.
- Sole developer responsible for designing, implementing, and maintaining the PandaPath app.
- Created a user-friendly interface for personalised itineraries and browsing pre-made options, enhancing user engagement and experience.
- Integrated email notifications using EmailJS to streamline communication and improve user interaction.
- Implemented authentication and authorisation, with role-based privileges for users, agents, and admins, ensuring secure and tailored access across user types.

## INTERNSHIPS

**Intern: Technology** - *Bright Network* — 2021 - 2021

- Completed a technical work sample with PwC, acting as a manager to design a 6-month strategic roadmap aimed at achieving 25% improvement in company performance.
- Enhanced project management skills by outlining 5 key milestones and allocating resources for each phase to optimize efficiency and turnaround success.
- Engaged in on-demand training modules from leading companies (Lloyds, Bloomberg, P&G) covering key tech areas, including cloud computing, cybersecurity, and software development best practices.
- Earned a certificate of successful completion, recognizing my skills in tech-focused management and strategic planning.

## PROJECTS

**Bike Frame Health Monitoring System** - *Python* — 2022 - 2023

- Developed a monitoring system that tracks strain levels in a composite bike frame, designed to detect potential structural issues with 90% accuracy in preliminary testing.
- Led a team of five in the project concept and development, successfully implementing an alert system that warns users when strain exceeds safe thresholds, aiming to reduce maintenance costs by up to 20% through early detection.

## EDUCATION

**University of Southampton** — Southampton, UK
**Master of Engineering**: Aerospace Engineering — 2019 - 2023

**Codeworks** — London, UK
Software Engineering — 2024 - 2024