SAMUEL FANAWOPO

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Education

University of Kent   **Sep 2023 – May 2026**
Bachelor of Science, Software Engineering   *Kent, England*

Experience

Software Engineer Intern   **Feb 2024 – Present**
Curated Loop   *London, England*
- Collaborated with the CTO to architect the MVP for a B2B SaaS platform in the sustainable fashion sector, utilizing React, TypeScript, Next.js, Node.js, Express, MongoDB, and AWS. **Engineered to support a scalable, innovative rental model for fashion brands**.
- **Focused on software development, system integration, and database architecture**, ensuring the platform's scalability and facilitating seamless integration with diverse fashion brand portfolios.

Software Engineer   **Sep 2023 – Present**
OrthoMemory   *London, England*
- **Led the system's design and development** of a memory enhancement app using React Native, TypeScript, Java, Spring Boot, PostgreSQL, Redis, Docker, and Firebase, enhanced by Cloudflare and AWS. Integrated the SuperMemo algorithm to **maximize learning efficiency**, significantly streamlining cognitive improvement.
- **Optimized deployment and infrastructure** for improved scalability and reliability, effectively **reducing operational costs** and enhancing resource utilization.

Software Engineer   **Sep 2022 – Sep 2023**
Enzyme Equity   *London, England*
- **Engineered a web-based internal tool** with React, TypeScript, Java, Spring Boot, Hibernate, MySQL and Docker. Designed for real-time messaging and session management, the tool **streamlined communication processes** and **enhanced operational efficiency**, achieving a **15% reduction in execution time**.
- **Improved capabilities** in session management and in-app communication, eliminating dependencies on external communication tools, **optimizing internal workflows**, enabling more efficient project tracking and management.

Software Engineer   **Jan 2022 – Present**
Software Contractor   *London, England*
- Developed **full-stack software solutions**, **enhancing user experience** and **streamlining development processes**. Achieved through **innovative front-end designs**, **efficient back-end systems**, and **effective cloud integrations** tailored to client-specific requirements.
- Delivered high-quality projects, boosting client satisfaction and operational efficiency. Achievements include scalable solutions that reduced code maintenance overhead and streamlined updates.

Computer Science Teaching Assistant   **Nov 2023 – Present**
University of Kent   *Kent, England*
- Contributed to **enhancing comprehension and performance in COMP3200 Object Oriented Programming in Java** for students. Assisted in developing innovative teaching methodologies and collaborative content, which supported an overall improvement in class performance.

Projects

InvestInquire | *React, Typescipt, Next.js, Java, Spring Boot, GraphQL, Firebase, Redis, Docker, AWS, Cloudflare*
- Engineered a financial data platform using **Next.js, Spring Boot** and **GraphQL** for efficient data handling, with **Cloudflare CDN**, **AWS EC2** for optimal content delivery and scalability, with dynamic market data.
- Secured authentication via **Firebase Auth**, supporting real-time financial updates, exchange rates, and statement access. Utilizes a sophisticated backend and cloud architecture for scalable and responsive data services.

Proshop | *React, Typescript, Redux, Golang, GraphQL, MongoDB, React-Bootstrap, Amazon Web Services, Linux*
- Developed an e-commerce platform, using **Go** for backend efficiency and **GraphQL** for streamlined data querying. Enhanced security with **JWT** in HTTP-only cookies for secure authentication and MongoDB for robust data storage.
- **Optimized hosting and scalability** on **AWS with Ubuntu EC2**, using **Nginx as a reverse proxy** for efficient traffic management. Integrated multiple payment methods, and interactive product ratings and reviews.

Technical Skills

Languages & Front-End: Java, Golang, PHP, JavaScript, TypeScript, React, Redux, React-Native, Next.js
Back-End & Databases: Spring Boot, Node.js, Express.js, GraphQL, MongoDB, Redis, Firebase, Cloud Firestore, MySQL, PostgreSQL, Hibernate, Docker