

# Samuel Owase

Backend Engineer | Frontend Engineer | Database Specialist | Full-Stack Developer

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## Professional Summary

Innovative and detail-oriented Software Engineer specializing in backend technologies and database management, with a passion for crafting dynamic, scalable, and secure applications. Proficient in both server-side and client-side technologies, including TypeScript, JavaScript, Node.js, and React.js. Skilled in integrating cutting-edge tools and technologies to enhance user experiences, Samuel thrives on creating full-stack solutions that prioritize performance, usability, and aesthetic design.

## Core Competencies

**Languages:** TypeScript, JavaScript

**Backend Technologies:** Node.js, Express.js, REST APIs

**Databases:** MongoDB, PostgreSQL, MySQL

**Frontend Development:** React.js, Next.js, Tailwind CSS, Bootstrap

**Security:** JWT, OAuth, Data Encryption, Authentication/Authorization

**Real-Time Communication:** WebSockets, Socket.IO

**Tools & Platforms:** Git, GitHub, Docker, Vercel, Jest, Mocha

**Cloud & Deployment:** AWS, Heroku, Surge

**Development Methodologies:** Agile (Scrum, Kanban), CI/CD pipelines

## Technical Skills

**Languages:** TypeScript, JavaScript

**Backend:** Node.js, Express.js, REST APIs

**Databases:** MongoDB, PostgreSQL, MySQL

**Frontend:** React.js, Next.js, Tailwind CSS, Bootstrap

**Testing:** Jest, Mocha

**Tools:** Git, Docker, Vercel, WebSockets

## Professional Experience

**Software Development Intern** *SAIL Innovation Hub* | [2024]

- Built scalable and secure backend systems using Node.js and Express.js with TypeScript for type safety.
- Designed, implemented, and optimized database schemas for MongoDB and PostgreSQL
- Enhanced user and data security by integrating JWT and OAuth for authentication.
- Developed real-time features using WebSockets, improving interactivity for chat and notification systems.
- Collaborated on the development of dynamic front-end interfaces using React.js and Tailwind CSS.
- Assisted in creating scalable API endpoints with Node.js and Express.js.
- Conducted database management tasks and integrated APIs into existing systems.
- Gained hands-on experience with TypeScript, improving code quality and maintainability.

## Education

**SAIL Innovation Hub | Software Development Program** *Completed: [2024]*

## Interests

Exploring advanced backend development techniques, integrating TypeScript into full-stack workflows, and designing intuitive user experiences with cutting-edge technologies.