Samuel Reda
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GitHub: github.com/streda | **Portfolio:** https://stredaweb.dev/
Location: San Diego, CA

Summary
Full Stack Engineer with expertise in **Java, JavaScript, TypeScript, React, Node.js, and AWS Cloud Technologies**. Skilled in **Agile Software Development, Object-Oriented Programming (OOP), and Microservices Architecture**. Passionate about building **scalable applications**, optimizing **system performance**, and integrating **CI/CD pipelines**. Strong foundation in **data structures, algorithms, and software design**.

Technical Skills
- **Programming Languages:** Java, JavaScript, TypeScript, C++, HTML, CSS
- **Frontend:** React, Redux, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express, **Microservices Architecture**, RESTful APIs
- **Databases: SQL Server, PostgreSQL, MongoDB (NoSQL)**
- **Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, Amplify), CI/CD (GitHub Actions, Jenkins)**
- **Software Configuration Management:** Git, GitHub, GitLab, Perforce
- **Testing & Debugging: Unit Testing (Jest), Debugging Tools**
- **Tools & Platforms:** Webpack, Postman, VS Code, Linux/Ubuntu

Projects
Personal Portfolio Website
React, TypeScript, Node.js, AWS, CI/CD
- Developed a fully responsive **React & TypeScript portfolio** with a **custom Node.js backend**.
- Integrated **Socket.IO for real-time messaging** and **Nodemailer for contact form submissions**.
- **Deployed using AWS Amplify** with automatic CI/CD deployment.

Task Management App
PERN Stack (PostgreSQL, Express, React, Node.js), AWS, Microservices
- Built a **full-stack task management system** following **Microservices Architecture**.
- Hosted backend **on AWS EC2** using **Nginx as a reverse proxy** for better request handling.
- Used **SQL Server/PostgreSQL** for relational data management.
- **Implemented CI/CD pipelines using GitHub Actions**.

Restaurant Ordering System
Vanilla JavaScript, Node.js, Express, MongoDB, Stripe API
- Designed a **real-time restaurant ordering system** with a **JWT/OAuth authentication system**.
- Integrated **Stripe API for secure payments** and **MongoDB (NoSQL) for order storage**.
- Optimized performance using **load balancing and API rate limiting**.

Education & Relevant Coursework
University of California, San Diego (UCSD) | **Bachelor's in Computer Engineering, 2022**
Key Courses: Data Structures & Algorithms, Web Development, Operating Systems, Computer Networks, Software Engineering, Database Analytics