Deqing (Sam) Liang
US Citizen | Eligible for U.S. Secret Security Clearance
+1-213-587-2613 | samliang248@gmail.com

SUMMARY

Detail-oriented and proactive Full Stack Developer with a strong front-end focus and 3 years of experience building secure, scalable, and accessible web applications. Proficient in modern JavaScript frameworks such as **React** and **TypeScript**. Skilled in integrating front-end interfaces with **RESTful** APIs, contributing to CI/CD pipelines, and following **Agile** methodologies. Eligible for U.S. Secret clearance and passionate about supporting mission-driven government and defense programs.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SQL, Python, Java, C++
Frameworks & Libraries: React, Redux, Node.js, Prisma, Spring Boot, Bootstrap
DevOps & Tools: GitLab CI/CD, Jenkins, Docker, Kubernetes, Splunk, Azure DevOps, Postman, Jira, Confluence
Database: PostgreSQL, MySQL, MongoDB
Other Tools: RESTful APIs, GraphQL, Chrome DevTools, React Developer Tools, react-chart-js, react-csv

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PROFESSIONAL EXPERIENCE

Charter Communications
Software Engineer (Front-End / UI)
Denver, CO | 2022 – 2025

- Implemented Splunk logging and alerting to proactively monitor application behavior, which improved debugging speed by over 200% and established standardized response protocols for recurring issues.
- Developed responsive and accessible UIs using **React**, **TypeScript**, **HTML5**, and **CSS3**, adhering to usability and performance best practices.

- Integrated front-end components with **RESTful** and GraphQL APIs to support efficient communication with backend services.

- Built backend services using Prisma ORM with **PostgreSQL** and deployed using **Docker** and **Kubernetes**.

- Created reusable components and implemented unit tests to ensure maintainability and stability across releases.

- Contributed to CI/CD pipelines with **GitLab** and **Jenkins**, enabling fast and secure deployments.

- Authored and maintained documentation using Confluence and managed tasks with **JIRA** in Agile sprints.

- Designed and built a referral reward system UI and integrated third-party digital gift card APIs.

- Migrated entire codebase from React JavaScript to TypeScript, improving code quality and maintainability.

- Monitored UI and API health using Splunk and implemented alert systems for faster bug detection.

- Improved **accessibility** across web interfaces by adding **ARIA** roles and labels.

- Fixed over 20 legacy bugs, improved performance, and introduced iframe interaction via analog remote control.

- Used GitLab for version control and collaborated closely in a Linux-based Agile development environment.

EDUCATION

California State University, Los Angeles (CSULA)
Bachelor of Science in Computer Science

CERTIFICATIONS & CLEARANCE

- U.S. Citizen

- Eligible for U.S. Secret Security Clearance

ADDITIONAL

- Strong understanding of DOM manipulation and lifecycle methods in React.

- Experience with wireframing, mock data, dynamic chart generation, and export features (react-chart-js, react-csv).

- Committed to continuous learning and collaboration in high-security, mission-focused environments.