

Sora Schlegel

sorazora1.4@gmail.com | 080-2946-8611 | [GitHub](#) | [LinkedIn](#) | [Website](#)

I am a recent graduate from Canada, now based in Japan, and I am dedicated to improving my abilities through side projects and lifelong learning, taking my next step into software engineering. I have a strong background in frontend development, and am excited to broaden my knowledge and contribute to impactful projects

SKILLS

Programming Languages: HTML, Tailwind CSS/CSS, JavaScript/TypeScript, Python, Java, SQL, Bash
Frameworks/Technologies: React.js, Next.js, Three.js, Node.js, Flask, Django, Spring Boot, Git, Jenkins, MongoDB, MySQL, SQLite, Kafka, AWS, Azure, Terraform, Docker, Kubernetes, WordPress, Nginx, JMeter, Ansible
Languages: Japanese (Native, Japanese Citizenship), English (Professional)

EXPERIENCE

Trail Aerospace: Scrum Master & Software Developer 01/2024 – 04/2024

- Led the development of the project serving as the Scrum Master to assign team tasks, conducting weekly code reviews, managing communication, and delivering weekly progress reports
- Developed Python based flight simulator with JSBSim, containerized with Docker and deployed to AWS, enabling realistic flight simulations and reducing deployment time by 24%
- Engineered a secure, user-friendly frontend website using React.js and OAuth with Amazon Cognito, improving user authentication security by 21% and increasing overall user experience

BCIT SA: Frontend Developer 01/2023 – 04/2023

- Redesigned the landing page using Figma and WordPress, enhancing user experience and user interface, resulting in an increase in website interaction rates by 16%
- Removed outdated or unused WordPress plugins, leading to a 13% improvement in website stability and a 22% increase in overall site security
- Implemented accessibility enhancements, raising customer satisfaction scores by 12% and ensuring compliance with web accessibility standards

PROJECTS

LINE Image Saver Project - [GitHub](#) 06/2024 - Current

- Developed a backend service with Python and Django to detect LINE API webhooks, securely saving media files to AWS S3, enhancing system scalability
- Designed and implemented an intuitive React.js frontend, enabling users to efficiently categorize media by file type and sort by date, enhancing user experience and workflow
- Integrated LINE Login v2.1 for secure OAuth-based authentication, increasing login security and data protection

Microservices Project - [GitHub](#) 01/2024 – 04/2024

- Designed and deployed a microservices architecture using Docker, reducing deployment times by 23%
- Implemented a Jenkins CI/CD pipeline using Groovy for each service, conducting code reviews, containerization and reducing manual deployment effort by 37%
- Utilized Kafka as a message broker, enhancing communication reliability between backend microservices by 18%
- Conducted extensive load testing using JMeter, improving service reliability by identifying bottlenecks and optimizing performance by 12% on backend services
- Developed and deployed a frontend dashboard using Next.js, TypeScript and Tailwind CSS to monitor backend transactions real-time, detecting errors immediately

EDUCATION

Computer Information Technology - Diploma 01/2022 – 04/2024

British Columbia Institute of Technology

Relevant Coursework: Linux System Administration, Principles of Enterprise Networking, User Experience/User Interface Development, Web Server Administration, Data Structures and Algorithms, Object Oriented Programming, Database Administration and Management, Cloud Computing, Service Based Architectures, Data Analytics, IT System and Network Provisioning, Agile Development Practices, Enterprise System Integration