Sora Schlegel

Email | GitHub | LinkedIn | Website

Skills

Programming Languages: JavaScript/TypeScript, HTML, CSS/Tailwind CSS, Python, Java, SQL, Bash

Frameworks/Technologies: React.js, Next.js, Three.js, Node, Flask, Django, Git, Jenkins, MongoDB, MySQL, SQLite, Kafka, AWS, Terraform, Docker, Kubernetes, Figma, WordPress, Nginx, OpenAPI, JMeter, YAML

Languages: Native Japanese Speaker (Japanese Citizenship), English

Projects

LINE Image Saver Project - GitHub
Python | TypeScript | Tailwind CSS | AWS S3 | LINE API

- Implemented a Django backend to handle LINE bot webhook events
- Built a frontend website to allow logged in users to view detected media files
- Utilized AWS S3 or secure and scalable media file storage

Microservices Project - GitHub
Python | TypeScript | Tailwind CSS | SQL

- Configured and managed Docker containers for each service ensuring consistent environments across development and production setups
- Utilized Kafka message broker to ensure reliable communication between microservices
- Conducted load testing on the Storage and Receiver service using JMeter to evaluate performance and reliability
- Designed a real-time dashboard to monitor recent transactions and calculated statistics based on real-time data

Video Streaming Service - GitHub
Java | TypeScript | Tailwind CSS | Python

- Collaborated with a team to develop a video streaming service, containerizing each microservice using Docker for a scalable and maintainable application
- Developed the video upload service using Java to store content in an AWS S3 bucket
- Integrated a Python Flask backend to manage communication between the Next.js frontend and MySQL database to store video links streamed by AWS CloudFront

Education

Computer Information Technology - Diploma   Jan 2022 – April 2024
British Columbia Institute of Technology
- Developed declarative code to configure the infrastructure and services on AWS using Terraform and Ansible
- Gained expertise in Kubernetes for automating deployment, scaling and management of containerized applications to enhance system scalability and reliability
- Utilized GitLab and Jenkins to design and implement CI/CD pipelines for Java and Python based projects
- Collaborated with clients to develop a flight simulation software with JSBSim and Python, while adhering to Scrum and Agile project management methodologies

Experience

The Keg Steak House & Bar   June 2022 – April 2024
Kitchen Cook

- Adapted to changing circumstances and high-pressure situations, displaying calm and composed demeanor
- Instructed and trained new employees in various stations ensuring kitchen protocols and standards