Guan-Wu (Cliff) Su

SOFTWARE ENGINEER

Kaohsiung, Taiwan

(+886) 939-827-200 | ✉ stu01509@gmail.com | 🏠 www.cliffsu.me | stu01509 | 🔗 cliffsu

Work Experience

Senior Software Engineer, Yahoo
Taipei, Taiwan

React.js / Node.js / Jest
Jul. 2023 - PRESENT

- Used React.js to deliver new features for Yahoo Global Media Products.

Software Engineer, LINE Taiwan Limited
Taipei, Taiwan

React.js / Next.js / Vue.js / Jest / Playwright / SonarQube
Jul. 2022 - Jul. 2023

- Developed and launched new features for LINE Travel, enhancing the experience for millions of users, using Next.js and React.js.
- Used Express and Jest to implement the microservices backend API.
- Migrated the features of LINE Travel, including flight booking, experiences, global search, and orders, from Vue.js to React.js, Next.js.
- Designed and implemented a comprehensive testing strategy, including unit tests, integration tests, and end-to-end tests using Jest, Cypress, and Playwright. Achieved a 90% test coverage rate, significantly reducing issues and streamlining QA efforts.
- Implemented the performance monitoring process by introducing Lighthouse CI tools for LINE Taiwan, resulting in improved website performance and user experience.
- Led and mentored the intern to become proficient in automation infrastructure, git-crypt integration, and Node.js version upgrades.

Software Engineer Intern, LINE Taiwan Limited
Taipei, Taiwan

Node.js / Cypress / Jenkins / Grafana / InfluxDB
Sep. 2021 - Jun. 2022

- Built and maintained highly reliable Cypress automation test cases, ensuring the robustness of the testing framework.
- Ensured API performance, and stability through K6 testing script, and generated test report.
- Reduced Jenkins pipeline execution time by 50% with the implementation of the PodTemplates, and test case grouping.
- Integrated a Grafana dashboard to analyze automation test case performance and failure rates, consistently achieving a failure rate of less than 5%. This proactive monitoring approach ensured the high quality and reliability of LINE Travel's services.

Software Engineer Intern, 17TECH Ltd
Kaohsiung, Taiwan

Java / Android / Node.js / Angular / fabric.js
Dec. 2018 - Aug. 2021

- Built the internal web paint system with Angular and fabric.js.
- Created meme image, photo editor plugin with JNI(Java Native Interface) and Android native canvas.

Software Engineer Intern, Google Summer of Code - OpenEMR
Remote

PHP / JavaScript / Bootstrap4
May. 2020 - Sep. 2020

- Removed outdated code, styles, and legacy JavaScript components, such as jQuery-UI.
- Improved the Bootstrap user interface, optimized responsive design, and standardize styling via a styling guide.

Skills

- Languages: JavaScript, TypeScript, Java(Android), Python, HTML, CSS3, Markdown
- Frameworks: Node.js, Express, Fastify, Angular, Bootstrap, Materialize CSS, Fabric.js, Cypress
- OS / Database: Windows, Ubuntu, MariaDB, MongoDB, InfluxDB
- Development Tools: Visual Studio Code, Android Studio, IntelliJ IDEA, Git, GitHub, Jenkins, Postman, Grafana

Projects

Raspberry-Pi-GPIO-DHT11

Node.js / Socket.IO / Express

- Built a web GUI dashboard to display real-time data with WebSocket.
- Integrated the Raspberry Pi GPIO control with monitoring.

Node.js-NKUST-Line-Bot

Node.js / MongoDB / LINE Messaging API / Azure

- Created a LINE Bot to provide the students to get their curriculum schedule, grades, and absenteeism information.

Education

National Kaohsiung University of Science and Technology
Kaohsiung, Taiwan

B.S. in Computer Science and Information Engineering
Sep. 2018 - June. 2022