Sicong (Kevin) Jiang

TECHNICAL SKILLS

Certified AWS Certified Solutions Architect Associate
Experienced JavaScript, TypeScript, AWS, Node.js, Java
Intermediate Posteros Desker

Intermediate React, Terraform, Python, Postgres, Docker, Linux

Novice Go, LATEX, Kubernetes

EDUCATION

University of Wisconsin - Madison *Bachelor of Science, Computer Science*

2013 - 2016

Madison, Wisconsin, USA

• Major: Computer Science

• **Programming Coursework:** Algorithm & Data Structures, Operating Systems, Networks, Computer Vision, Computer Graphic, Artificial Intelligence

EXPERIENCE

Institute of Data

Jul 2022 - Now

Assistant Instructor (Part Time)

Remote, NZ

- Worked as an assistant trainer for Software Engineering course and taught software engineering to students with no technical background
- Took student attendance and grade assignments
- Designed and delivered labs on HTML, CSS, JavaScript, React, MongoDB and Postgres to facilitate student's understanding on relevant topics

Spark New ZealandDec 2021 - NowSoftware EngineerAuckland, NZ

- Worked as a **server-driven UI** developer for the Spark mobile app (iOS & Android), creating **RESTful** API using Node.js and TypeScript
- Designed and implemented UI and aggregation layer for new subscription management in Spark mobile app
- Migrated existing JavaScript code to TypeScript

Invenco Apr 2021 - Dec 2021

NodeJS developer Auckland, NZ

- Worked on a multi-tenant SaaS platform that manages IoT devices, utilizing Node.js and Angular JS
- Migrated legacy code base from **Java** to **NodeJS**. Improved performance by 60%
- Supported and mentored junior members of the team

Crimson EducationOct 2019 - Apr 2021Full Stack Software EngineerAuckland, NZ

Full Stack Software Engineer
 Delivered multiple multi-locale marketing websites using React, Typescript, Gatsby and StoryBlok

- Delivered multiple multi-locale marketing websites using React, Typescript, Gatsby and StoryBlok (Headless CMS), reducing page load time by 60%.
- Designed and implemented back end API and infrastructure solution for custom digital classroom that includes video conferencing and e-learning capability using **Node.JS (Express)** and AWS managed infrastructure with **Terraform**.
- Implemented pipelines on BuildKite to facilitate continuous integration, testing and deployment of code and infrastructure changes using **AWS SQS** and lambda.

- Led development of **Serverless** application on **AWS** using **Serverless** framework that ingest and analyze videos from Zoom cloud and archive in Google Drive
- Build, configured and migrate existing application from Heroku to **Kubernetes** service on **AWS** with **Terraform**
- Collaborated closely with stakeholders to prioritise requirements and led multiple projects at the same time.

Transportation Operations and Safety Lab, University of Wisconsin Madison Software Engineer

July 2016 - May 2019 Madison, WI, USA

- Utilized Java, JSP, JSF, Spring, Tomcat, Oracle SQL, JavaScript
- Delivered 511 travel time system, a **Spring** based **RESTful** web application for query and retrieve archived 511 travel time information from database.
- Enhanced real-time traffic exchange **SOAP web services** that aggregated and tracked incidents from different CAD system to IEEE 1512 compliant XML.
- Contributed to Truck Parking Management Information System, a system that used computer vision to provide parking space availability information in rest areas across different state through **RESTful** API.
- Attend stakeholder meetings with WisDOT to offer insights to future features and collect user feedback.