Hang Pan

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Summary

Experienced full stack web application software engineer
- 2 years of experience in creating single page web applications using React
- Proficient in developing server side Restful APIs using Java and Spring Boot
- Extensive experience in building cloud based system
- Solid experience on CI/CD, DevOps, Cloud technologies
- Demonstrated expertise in working within an agile development environment and delivering projects on time

Skills

Languages:	**JavaScript**, **TypeScript**, Java, .Net(c#), **Python**, SQL,Linux
Front end:	**React**, Redux, **MUI**, Bootstrap, shadcn UI,**Graphql**, **HTML5**, **CSS3**
Back end:	Spring Boot, Hibernate, Flask, **Restful** API, Micro Services,**Elastic Search**,**Kafka**
Database:	MySQL, **PostgresQL**, **MongoDB**
Tools:	Jenkins, **AWS**, Azure, Git, GitLab ,Gradle/Maven, Docker

Experience

Full Stack Developer   Data2App, Sydney, Sep.2023 – present

Chat with PDF (AI) Project

This project involves collaboration with law firms, where users can upload their legal documents. Through AI analysis, they can obtain the answers they seek.

Technology stack: TypeScript, Next.js, **React**, Restful API, Azure Blob, PostgresQL, PRISMA, **TRPC**, GitLab
Responsibilities:

- Built single page web app using **Typescript, Next.js** and **React**.

- Optimized query speed using PRISMA and TRPC to improve decision-making accuracy.

- Improving **SEO** by implementing SRR using **next.js**, successfully reduced page loading time by 40%.

- Implemented file upload, tags, search function using Azure Blobs.

- Created authorization modules using Next-Auth and Google for secure log in.

- Built user operation history page by query **PostgresQL**.

Trip-Trib Website Project

A Trip-Trib website designed for sharing and discovering exciting locations and restaurants across Australia.

Technology stack: **Nestjs, Restful Api, Next.js, AWS S3, MongoDB , Redis**

Responsibilities:

- Implemented authorization token generation module using **JWT** technology.

- Developed backend Restful APIs using **Nestjs**.

- Built persistent modules to save data and upload photos file to AWS **S3**.

- Use **Redis** to implement task queues and improve system fluency.

- Worked closely with designers and implemented design system (React components).

- Built complex UI interactions using **MUI**, **TailWind** CSS transitions.

- Set up a development environment to facilitate colleagues to run projects by writing docker files.

Full Stack Software Engineer   AIA IT company, Aug.2022 - Aug.2023

AIA Group Online Study Application

A dynamic and user-friendly Web platform designed to effortlessly manage and publish educational content.

Technology stack: **TypeScript**, **React**, Java, Spring Boot, **Redis**, **Elasticsearch's ,Restful** API

Responsibilities:

- Built web forms using **TypeScript** and **React**.

- Created Restful API using **Spring Cloud** and **Nacos** with detailed documents **(Swagger)**. Utilized Feign RPC for service module communication.

- Investigated and improved system efficiency using **Redis caching** and **EasyExcel** to replace memory-intensive Apache POI and JXL.

- Optimized search results, using **Elasticsearch's** built-in TF/IDF search algorithm

- Conducted interface testing using Jest, Postman and **JUnit**.

- Built release pipeline using **Docker** and **Jenkins**.

- Trouble shooting prod issues and improve query performance.

AI Resume Recommendation System

A web-based platform designed to streamline and optimize the hiring process, enabling the identification, evaluation, and connection with the most qualified candidates.

Technology stack: TypeScript, React, **Python**, **Flask**, **Azure, Sklearn**
Responsibilities:

- Built web app using **TypeScript (React), Python (Flask)** and deployed to **Azure**.

- Created Restful API to seamlessly integrate with MS Power Platform to support efficient recruitment process.

- Conducted stress testing using JMeter and optimized system performance, enhanced reliability.

- Writing unit tests for both front end and back end.

Certificates

AZURE 900 Certificate   October 28.2022 No.l464-7947

Education

The University of Queensland   Brisbane, QLD

Master of Computer Science   Jul 2020 - Aug 2022

Guangdong Baiyun University   Guangzhou, China

Bachelor of Computer Science and Technology   Sep 2016 - Jun 2020