Lexi Shi

SOFTWARE ENGINEER

Summary

With **7+ years** of experience, I specialize in versatile back-end development, seamlessly adapting to front-end tasks. A skilled team player with effective time management, I am passionate about crafting innovative solutions for challenges. Proactively embracing new technologies, I continually enhance problem-solving capabilities.

Education

Master's Degree (**First Class Honours**) / Computer And Information Sciences

Auckland University of Technology

JULY 2022 – DECEMBER 2023

Individual Projects

Portfolio   Visit Now

Crafted with **Next.js, Tailwind CSS**, and **TypeScript**, my personal portfolio not only reflects my coding journey but is also hosted on **Vercel** for seamless accessibility. It's a sleek digital space showcasing my technical prowess in a clean and organized manner. More than just a webpage, it's a reflection of my coding journey and skills. Take a stroll through, and let's keep it techy and stylish!

LLM&Vector Database Integration   Github

I independently conducted a research project in **Python**, focusing on enhancing Large Language Models (LLMs) through the integration of **vector databases**. This involved experimenting with various data chunk sizes and implementing novel pathology textbook segmentation, leveraging OpenAI's **GPT-3.5-turbo-16k model** and **Elasticsearch**. The project showcased the effectiveness of OpenAI's embedding techniques for generating precise vectors, optimizing response accuracy and relevance. The streamlined process included the integration of the **LangChain** framework, demonstrating my ability to strategically combine technologies for real-world language model optimization.

Personal Blog   Github

As the backend whiz for our Cloud Computing project, I brewed up the backend magic for a dynamic blog application. With **SpringBoot** and **MyBatis** as my toolkit, I crafted a robust backend that harmonizes seamlessly with the frontend magic of **React** and **Redux**. This project is more than just blogs; it's a friendly space for sharing and discovering content. From managing data to tweaking server-side mojo, I ensured our platform is as cool as it gets. And yeah, we took it to the cloud with **AWS** for that extra boost and featuring **MariaDB** for the database groove in performance and scalability.

Details

Auckland
New Zealand
027 354 9581
sxr1207@gmail.com

Links

LinkedIn
Github
Portfolio

Skills

Java
━━━━━━━━━━━━━━

Python
━━━━━━━━━━━━━━

JavaScript / TypeScript
━━━━━━━━━━━━━

MySQL / Oracle / MariaDB / Elasticsearch
━━━━━━━━━━━━

Redis / MongoDB
━━━━━━━━━━━━

Git / Jira / Jenkins / Confluence
━━━━━━━━━━━━

HTML / CSS
━━━━━━━━━━━━

React / Next.js / Tailwind CSS
━━━━━━━━━━━━

AWS EC2 / Docker
━━━━━━━━━━━━

Work Experience

Software Engineer,
TD SYNNEX Information Technologies Ltd.

(U.S.-based company ranked No. 215 on the 2023 FORTUNE Global 500 List)

SEPTEMBER 2021 – AUGUST 2022

TD SYNNEX RPA System

In this project, I focus on developing data processing functionalities (server-side, Java) and automating web page interactions (client-side, Python) within Robotic Process Automation (RPA). My role centers on automating repetitive tasks like form entry and payment notification preparation. On the server side, I develop features for parsing PDF, Excel, and email content and sending email notifications. Simultaneously, on the client side, I automate data filling into relevant systems. My impact is quantifiable - I've reduced processing time by **90%** and increased task automation by **70%**. Additionally, I actively contribute to functional refactoring and code reviews, enhancing code quality and project maintainability. My work bolsters overall project robustness and scalability.

Skills: SpringBoot, React, MySql, Redis, Python, JavaScript, Git, Jenkins, Jira, Confluence

Software Engineer,
Nanjing Asiainfo Software Ltd.

JULY 2019 – MAY 2021

Telecom Cloud Network Orchestration System / Telecom Opening Service System / Telecom Order Dispatch System

In response to the latest OSS domain specifications, I spearheaded the upgrade of the PG module, achieving a **20%** reduction in project delivery times through efficient time management and clear requirement documentation. In the Sichuan Province telecom system upgrade, my initiative in system maintenance led to a **30%** decrease in critical issues, enhancing overall system stability. Collaborating with departments, I played a key role in successful project releases, contributing to a **25%** increase in user satisfaction. These accomplishments underline my commitment to driving efficiency, optimizing performance, and ensuring the success of complex projects.

Skills: NodeJS, JavaScript, SpringBoot, Bootstrap, Spring, WebSphere, Docker, MyBatis, MySql, RocketMq, Redis, Spring, Oracle

Software Engineer,
Shenzhen Tianlanse Software Service Ltd.

AUGUST 2016 – APRIL 2019

Guanxinte Machinery Production Management System / Shenzhen XingYao Cinema Platform / Chaozhou Life Website

As a key developer, I've significantly impacted diverse projects, leading the development of the equipment management module in the production management backend system with a **20%** improvement in query speed. In the theater system, overseeing the cinema module resulted in a **25%** enhancement in user experience. Additionally, my contributions to the Chaozhou Life Website led to a **20%** increase in user engagement. Consistently dedicated to interface writing, module development, and system optimization, I have played a pivotal role in driving positive outcomes across various projects.

Skills: SpringBoot, Dubbo, Spring MVC, MyBatis, Guns, NodeJs, MySql, Redis