Jasneet Singh

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EDUCATION

University of Calgary   Calgary, AB
Master of Engineering in Electrical and Computer Engineering   *Present*

Western Governors University   Calgary, AB
Bachelor of Science in Software Engineering   *Feb. 2024*

TECHNICAL SKILLS

Languages: **Expert:** Java, TypeScript, JavaScript **Proficient:** SQL **Prior-Experience:** PHP, Python

Technologies: React, Redux, Angular, Node.js, Spring Boot, MySQL, MongoDB, Docker, AWS, Linux, Jest, Git

Certifications: AWS Certified Cloud Practitioner, ITIL Foundations v4, CompTIA Project +, Google IT Support

EXPERIENCE

Full Stack Engineer   October 2024 - Present
Fiverr - Self Employed   *Calgary, AB*
- Delivered backend feature enhancements and bug fixes for growing SaaS platforms using **React** and **Express.js**.
- Collaborated with international clients in Agile sprint cycles to design and deliver scalable, production-ready web applications.
- Partnered with designers to transform mockups and wireframes into fully functional, dynamic applications.
- Provided ongoing support and consulting for small businesses improving and refactoring their web presence.

Full Stack Developer   October 2022 - December 2024
Evans Digital Design   *Calgary, AB*
- Developed dynamic web applications using **React + TypeScript** and **Java** to boost small businesses online presence with an emphasis on SEO optimization.
- Designed RESTful APIs using **Spring Boot**, reducing API response times to under 60ms by optimizing **SQL** database queries, enhancing system performance.
- Containerized the applications using **Docker**, ensuring consistent, efficient deployment and scalability across development, testing, and production environments.
- Integrated **Square API and OAuth** with GitHub for e-commerce section, facilitating a seamless user experience after purchase.
- Built unit and integration tests in a Test Driven Development (TDD) workflow using **Jest**, ensuring bug-resistant features from the start of development.

PROJECTS

AI Chatbot
- Designed a full stack chatbot application using **Python** and **FastAPI** while leveraging OpenAI's language model API and DALL-E for image generation.
- Deployed the application using **AWS Lambda**, leveraging AWS Lambda's integration with API Gateway to establish encrypted connections, safeguarding sensitive user interactions and data exchanges from potential security threats.

Netflix App
- Developed a fully responsive movie app using **TypeScript** with Google Sign-in Authentication, enhancing user security and convenience by enabling seamless authentication process.

Traveler App

- Developed a mobile application using Java and **Android SDK** which aims to enhance vacation and excursion management.