

# Jasneet Singh

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## EDUCATION

### University of Calgary

Master of Engineering in Electrical and Computer Engineering

Calgary, AB

Present

### Western Governors University

Bachelor of Science in Software Engineering

Calgary, AB

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

Fiverr - Self Employed

October 2024 - Present

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 deliver scalable, production-ready web applications.
- Partnered with designers to transform mockups and wireframes into fully functional, dynamic applications.
- Provided ongoing consulting for small businesses improving and refactoring their web presence.

### Full Stack Developer

Evans Digital Design

October 2022 - December 2024

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

### Chicago Pizza Roma Website

- Developed a responsive **React** web app for a Calgary pizza shop to establish their online presence and increase customer engagement.
- Optimized search performance by integrating Google Search Console, improving indexing, and applying schema markup with SEO best practices.
- Streamlined deployment by hosting the site on **Vercel** and guiding the client in selecting an affordable domain, integrating it through DNS configuration for a smooth launch.

### AI Chatbot

- Built 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.