

Sahil Janjua

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Education

Simon Fraser University

BSc: Software Systems

Vancouver, BC

Sept 2018 - April 2024 (Expected)

Technological Knowledge

Languages: Java, JavaScript, TypeScript, Python, C, C++, Rust, SQL, x86 Assembly, HTML, CSS, Haskell

Technologies: Node.js, Express, Spring Boot, GraphQL, Hystrix, Redis, React, Next.js, Vue, Selenium, RabbitMQ

Tools: Git, GitHub, Jira, Jenkins, Postman, JMeter, Docker, CloudFoundry, Google Cloud Platform

Work Experience

SAP - Software Test Developer for SAP Analytics Cloud

Jan 2022 - Sept 2022

Vancouver, BC

- **Developed and maintained** regression, Jasmine, and Selenium tests for blending and data analytics features.
- **Collaborated** with cross-functional teams to design comprehensive test plans based on software requirements.
- **Enhanced client satisfaction** by efficiently troubleshooting and resolving issues through direct communication with customers.
- **Improved proficiency** in JavaScript and software development practices through active participation in code reviews and sprint demos.
- **Led onboarding** for 2 new hires, creating and presenting a knowledge transfer curriculum.

Freelance Software Developer

Jan 2019 - Feb 2021

- **Independently managed** multiple web development projects from initiation to completion, ensuring **timely delivery and client satisfaction**.
- **Implemented end-to-end web solutions**, encompassing both **front-end and back-end development** using technologies such as **HTML, CSS, JavaScript, React, Node.js, and Express**.

Projects

Social Gaming Platform

- Developed a **multiplayer C++ game**, enabling users to easily develop customizable social games
- Designed **server-side components** following object-oriented principles for efficient game state management and consistent gameplay for all players
- Implemented rooms using **WebSockets** to communicate events between the clients and server in real-time
- Implemented a robust **messaging scheme using JSON** allowing for users to define the game configurations
- Contributed collaboratively to an **Agile sprint environment**, through iterative development cycles

Multimedia Review Platform (Letterboxd Clone)

- Developed a multimedia review platform using the **MEAN stack**.
- Integrated **TMDb API with Node.js** for dynamic data retrieval and implemented a tag-based genre search.
- Secured user interactions with **JWT authentication** and streamlined user management through efficient **CRUD operations**.
- Hosted the application on **Google Cloud Platform (GCP)** for optimal scalability and performance

Animal Encyclopedia

- Programmed a server running a **Spring Web MVC** framework application using **Tomcat** that provides a **REST API**.
- Visually displayed data, stored in a **JSON file**, on a **client-side application developed using JavaFX** and styled with **CSS**.