

Charanvir Singh *Software Developer*

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Skills

Programming Languages

JavaScript, TypeScript, Python

Backend and Database

Node.js, SQL (Postgres, MySQL), NoSQL (MongoDB), RESTful APIs, GraphQL, Redis, Elasticsearch

Developer Practices

Test-Driven Development (Jest, Unit Testing), Agile Methodologies, CI/CD Pipelines, Microservices Architecture, Algorithms, Data Structures

Frontend Frameworks and Libraries

React, Bootstrap, Tailwind CSS, CSS, HTML

Tools and Platforms

Docker, Kubernetes, AWS, Azure, Git, Jenkins, Nginx

Other Skills

Performance Optimization, API Design, Distributed Systems, Cloud Integration

Professional Experience

Software Application Developer, *Case IQ*

08/2023 – present

- **Designed and implemented customer-facing features** in collaboration with cross-functional teams, enhancing user experience.
- **Identified and addressed performance bottlenecks, improving latency** in systems by **50%** and overall system reliability.
- **Developed and optimized** scripts to update over **100,000 database records** efficiently, **reducing processing time by 90%** and ensuring data integrity.
- **Diagnosed and resolved** critical system outages **within 1 hour**, maintaining SLA compliance and ensuring system availability.

Web Development Instructor, *2U*

2022 – 2023

- **Mentored 60+ students**, achieving a **95% pass rate** across multiple cohorts and improving overall student performance.
- **Provided in-depth feedback on 100+ projects**, enhancing adherence to **industry best practices** and improving code quality.
- **Led workshops on JavaScript, React, and Test-Driven Development**, increasing student proficiency and **boosting project completion rates by 80%**.
- **Resolved complex technical queries**, fostering confidence and enabling **timely assignment completion, reducing late submissions by 50%**.

Frontend Developer, *Almaari Decor*

2020 – 2022

- **Developed and maintained a scalable** company website using React and TypeScript, **improving performance and usability**.
- **Enhanced mobile responsiveness**, leading to a **75% increase** in **mobile engagement** and a more seamless cross-device experience.
- **Optimized website performance**, reducing load times by **25%**, leading to **50% higher customer retention and satisfaction**.
- **Resolved critical bugs** promptly, ensuring **99% uptime** and enhancing system reliability.

Education

BSc in Life Sciences, *McMaster University*

2015 – 2020

Certificates

Full-Stack Web Development Certificate — UofT SCS Coding Boot Camp