

Samandeep Singh

Full Stack Developer

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Calgary, Alberta, T3J 5G3, Canada

Results-driven Full Stack Developer with over 4 years of hands-on experience in building scalable web applications and delivering robust business solutions. Proficient in JavaScript, TypeScript, and the MERN stack, with a strong command of real-time technologies such as WebSocket and GraphQL. Adept at developing and implementing end-to-end solutions using modern front-end and back-end frameworks, databases, and APIs.

Work Experience

Lead React Developer

Aug 2021 - Jun 2024

[Virtual Employee Private Limited](#) | Noida

- Developed and implemented full-stack solutions that incorporated the latest industry trends, resulting in improved system performance and user experience
- Led development of scalable web applications using React, Node.js, and MongoDB, increasing productivity by 40%.
- Built secure RESTful APIs with Express.js, enhancing performance for high-traffic systems.
- Mentored junior developers, reducing onboarding time by 25%.

Full Stack Developer

Jan 2023 - May 2023

[Hermes Aerospace Corporation](#) | Toronto

- Developed a MERN stack e-commerce application with Stripe integration, boosting sales by 25%.
- Designed an admin dashboard, POS, and Inventory Management System, cutting order processing time by 40%.
- Integrated WebSocket and GraphQL for real-time functionality, improving user satisfaction by 20%.

Projects

AskBuddy

Jun 2024 - Jul 2024

- Built a real-time Q&A platform using TypeScript, React, and Node.js, enabling users to post and answer questions with a scalable backend.
- Designed WebSocket-based live updates, reducing response latency by 40% and enhancing user interaction.
- Deployed on AWS, ensuring 99.9% uptime and secure data handling for 500+ concurrent users.

LIF Dating App

Apr 2025 - Present

- Built a unique 100% free dating app focused on user privacy, emotional intelligence, and safety, challenging mainstream platforms like Tinder and Bumble.
- Engineered the backend using Node.js, GraphQL, MongoDB, WebSockets, and Cloudinary, enabling real-time messaging, audio/video calls, and location-based matching.
- Implemented confession features, ghosting stats, auto message deletion, and strict safety protocols to foster meaningful, respectful connections.
- Designed RESTful APIs with clear documentation; ensured scalability and performance with modern DevOps practices.
- Led UI/UX design with a user-first mindset; collaborated with testers to refine features through feedback loops.

Viewdeo

Jul 2024 - Present

- Engineered a video conferencing application using WebRTC, JavaScript, and Express.js, supporting seamless peer-to-peer communication.

- Integrated Firebase for real-time user authentication and session management, accommodating up to 100 simultaneous connections.
- Optimized front-end with React, achieving a 25% reduction in load time through code splitting and lazy loading.

Volunteer Experience

Peer Tutor

Bow Valley College

Feb 2024 - Present

Core Skills

Programming Languages: JavaScript, TypeScript, Python, Java, C++, C#, Solidity

Front-end: React, React Native, Next Js, Redux, Zustand, Context API, Bootstrap, Tailwind CSS, Material UI

Back-end: Node, Express, Django, Appwrite, Firebase, WebSocket, GraphQL, Socket.io, WebRTC

Databases: MongoDB, PostgreSQL, MySQL, Redis, NoSQL

Tools and Platforms: Git, Docker, Kubernetes, Cloudinary, Linux, AWS

Testing: Jest, Chai, Mocha, Unit Testing

Methodologies: Agile, Scrum, Software Development Lifecycle (SDLC)

Other: JSON, Zod, Yup, WordPress, Multer, OpenAI, Gemini

Soft Skills: Attention to detail, Excellent verbal communication, Problem Solving, Organizational Skills, Management Skills, Leadership, Teamwork

Education

Bow Valley College

Diploma Software Development
GPA: 3.83

Jan 2022 - May 2023

Skill India initiative by Government of India

Vocational Certificate Information Technology

Apr 2018 - May 2019

Languages

English *(Fluent)*, Hindi *(Native)*, Punjabi *(Native)*

Certificates

Learn JavaScript Course

Codecademy

May 2024

Learn C# Course

Codecademy

Nov 2023

Learn Python 3 Course

Codecademy

Nov 2023

Problem Solving (Intermediate)

HackerRank

Nov 2023

