

Anand Pravesh Singh

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Aspiring Software Engineer with a robust background in full-stack architecture, cloud computing, and agile leadership. Proven track record of spearheading cross-functional teams to deliver high-traffic web solutions and data-driven applications. Expert in Java, and React, with a dedicated focus on building inclusive, performance-optimized software that bridges the gap between complex backend systems and intuitive user experiences.

WORK EXPERIENCE

InvestorIdeas • 01/2026 - Present

Software Developer • Contractor

- Maintained and enhanced the InvestorIdeas ASP.NET website, improving performance and reliability for thousands of daily users.
- Developed and managed APIs for real-time stock rate updates, ensuring accurate financial data delivery and reducing data retrieval errors by 30%.
- Converted content updates and user requirements into actionable technical tasks, streamlining workflow and reducing update delays by 40%.
- Optimized backend processes and article management system, improving site responsiveness and reducing content publishing errors.
- Collaborated with cross-functional teams, including design and editorial staff, to implement scalable web enhancements and ensure seamless user experience.
- Independently developed scripts to automate stock data integration and article updates, reducing manual intervention by 50% and improving data accuracy.
- Monitored website metrics and performance, proactively identifying and resolving issues to maintain 99% uptime and consistent user engagement.

PROJECTS

Full-Stack Social Media Web App • 01/2025 - 01/2026

- Developed a full-stack social platform with user authentication, profiles, post creation, likes, comments, media uploads, and real-time chat using WebSockets.
- Built secure backend APIs with Node.js and TypeScript to manage users, posts, comments, and messages, applying MVC architecture for maintainability and scalability.
- Implemented centralized state management with Redux Toolkit and styled frontend with Tailwind CSS for a responsive and smooth user experience.
- **Repo Backend** - https://github.com/Anand-Singh01/Forums_App_MERN_Backend
- **Repo Frontend** - https://github.com/Anand-Singh01/Forums_App_MERN_Frontend

Game Store WebApp • 01/2025 - 09/2025

- Developed a full-stack e-commerce game store using .NET, MS SQL, React.js, Redux Toolkit, and Tailwind CSS, enabling users to browse games, manage carts, and submit delivery information.
- Built an admin dashboard for order management, status updates, and fulfillment tracking, integrating RESTful APIs for secure frontend-backend communication.
- Applied modular architecture and clean state management to ensure scalability, maintainability, and a smooth, reliable user experience.
- **Repo** - <https://github.com/Anand-Singh01/GameStoreApp>

SKILLS

Programming Languages: C#, Java, JavaScript, TypeScript

Frontend: React, HTML5, CSS, Redux Toolkit

Backend & Databases: .NET Framework, Node.js, MongoDB, PostgreSQL, Redis, REST APIs, Web Sockets, MVC Design Pattern

Tools & Others: Git, Office 365 applications, GitHub, Docker, Jest, Prisma, Zod, Windows

Fundamentals: Object-Oriented Programming, Algorithms, Data Structures, Networking Basics

EDUCATION

Bachelor of Technology in Software engineering

McMaster University • Hamilton, ON • 09/2025 - Present