

# ASHISH BANSAL

SENIOR FULL STACK DEVELOPER

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A highly skilled and results-driven Full Stack Developer with over 2.5 years of experience in the MERN stack (MySQL, Express.js, React.js, Node.js). Proven track record of developing and deploying robust, scalable web applications, optimizing API performance by up to 200%, and enhancing operational efficiency by 30%. Seeking to leverage technical expertise and problem-solving skills to contribute to innovative software solutions within a collaborative development environment.

## Technical Skills

- Back-end Development:** Node.js, Express.js, TypeScript, JavaScript, Socket Programming, Redis Adapter
- Front-end Development:** React.js, Redux Toolkit, Context API, Tailwind CSS, Material UI, SCSS, CSS 3, HTML 5
- Software & Tools:** Testing (Sinon, Mocha, Chai), MySQL, Redis, Git, GitHub, Postman, DevOps (Bitbucket, JIRA)

## Core Competencies

- Full Stack Development
- Requirement Gathering
- Front-end/Back-end Development
- Continuous Integration & Deploymet
- Troubleshooting & Debugging
- STLC/SDLC
- Web/ Application Development
- Process Improvements
- Database Design & Management
- Version Control
- Stakeholder Management

## Soft Skills

- Time Management
- Problem-Solving
- Team Building & Leadership
- Analytical & Critical Thinker
- Planner & Communicator
- Adaptability

## Profile Summary

- Robust acumen in Software Development Lifecycle (SDLC)** right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of applications.
- Experienced in liaising with users for requirement gathering;** preparing functional specifications and design documents.
- Robust acumen in formulating clean, efficient, and well-documented code** in one or more programming languages; developing and maintaining software applications, including **testing and debugging code**.
- Built robust architecture** for different solutions by managing the security, performance, **availability, compliance, scalability and maintainability aspects** of software development.
- Competent in developing and managing well-functioning databases** and applications, **writing effective APIs, testing software** to ensure responsiveness and efficiency, **troubleshooting, debugging and upgrading software**, and **creating security and data protection settings**.
- Drove efforts towards maintaining software development practices;** adhered to company standards for coding and unit/functional test coverage; **skillful in developing / reviewing test cases for conducting Unit & System Integration Testing**.
- Capability to drive an independent workflow,** comfortable to **work in ambiguous, ever-changing situations and flexible to work collaboratively in a team**.

## Education & Career Timeline

Jul'22

Maharaja Agrasen University - Himachal Pradesh | B.Tech. (CSE) | GPA: 9.8

Mar'22-Aug'22

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## Work Experience

Kie Square Analytics Pvt. Ltd. – Noida | Senior Full Stack Developer | Full-Time February 2025 – Present

- Developed robust, high-performance APIs and integrated them with Frontend Applications.
- Engineered and deployed a **central authentication system**, significantly enhancing security and access management across all web applications.
- Implemented development best practices, including code optimization, clean code principles, version control with Git, and secure coding standards.
- Achieved more than **200% reduction in API response time** through code and database query optimizations.
- Managed and took care of deployments using Docker, AWS, and GitHub Pages.
- Contributed to the development of the **MCP server** and **CrewAI**, leveraging GenAI capabilities to provide better insights for the Digi Cadence application.

### Projects Undertaken:

#### Digi Cadence:

- Revamped server-side architecture to improve code quality, security, and performance, achieving more than 200% reduction in API response time.
- Refactored and optimized backend code by removing unused files, fixing bugs, and centralizing configurations using environment variables and constants.
- Designed and implemented a more robust database schema to ensure data integrity and scalability.



## Personal Details

- **Date of Birth:** 26/04/2001
- **Languages:** Hindi, English
- **Address:** Noida, India

### Central Authentication System:

- Engineered and deployed a central authentication system that significantly enhanced security and access management across all company web applications.
- Implemented secure user authentication & authorization flows, including token-based access control.

### Tricog Health India Pvt. Ltd. – Bengaluru | Associate Software Engineer | Full-Time December 2023 – January 2025

- Engineered highly efficient and scalable APIs to ensure seamless integration with frontend applications.
- Orchestrated the migration of the codebase from **Node.js version 8 to Node.js version 20**, guaranteeing enhanced system longevity and compatibility.
- Optimized database queries, achieving a **40% improvement in API response time** for superior system performance.
- Executed a seamless transition of the codebase from **MongoDB version 4.4 to MongoDB version 8**, reinforcing database resilience and performance.
- Conceptualized and deployed intuitive UI components using React.js to introduce new functionalities and refine existing features.
- Diagnosed and resolved critical issues, deprecated features, and legacy code, ensuring a streamlined and robust application ecosystem.

### Projects Undertaken:

#### Cardionet Care Coordination App:

- Contributed significantly to the development of the Cardionet application by creating new APIs and enhancing existing ones to improve ECG data processing integration. Addressed bugs, deprecated legacy code, and enhanced overall application performance, ensuring prompt care coordination for STEMI patients.
- Achieved a 40% reduction in API response time through query optimization.

#### VCardia Backend Development:

- Spearheaded the development and maintenance of the VCardia mobile application's backend, focusing on implementing new features and refining existing functionalities.
- Resolved bugs, optimized API performance, and developed new APIs to ensure seamless integration and efficient data processing.

### Tricog Health India Pvt. Ltd. – Bengaluru | Software Engineer | Intern July 2023 – November 2023

- Designed and deployed a full-stack interactive web application for a **Real-Time Monitoring System**, managing both frontend and backend development.
- Integrated real-time monitoring capabilities, activity benchmarking, and automated alerts to optimize operational efficiency for the medical team.
- **Reduced the workload** of the Medical Operations team **by 30%** through strategic application enhancements.
- **Technologies Utilized:** ReactJS, Context API, Express, Node.js, MySQL, Redis Adapter, Sockets, Cron Jobs.

### Star Reify Tech Solutions – Baddi | Software Engineer | Intern March 2022 – August 2022

- Netflix Clone: [Project Link](#)
- Architected a Netflix clone leveraging advanced ReactJS methodologies, including hooks, functional components, and the Redux Toolkit.
- Technologies Utilized: ReactJS, Redux, Styled Components, Firebase, TMDB API



## Accomplishments

- Secured an **early promotion** to Associate Software Engineer, surpassing expectations prior to internship completion.
- Engineered an innovative application that enhanced medical team throughput by **30%**, driving operational efficiency.
- Graduated as a **Gold Medalist**, showcasing exceptional academic distinction and dedication to excellence.
- Earned accolades for **exemplary contributions and performance** at the Youth Empowerment Foundation.
- Selected for the prestigious **Mitacs Globalink International** internship program in **Canada**, highlighting competitive expertise and global competence.



## Personal Projects

### YouTube Clone | [Live Demo](#)

- Created a video streaming platform allowing users to search and watch videos seamlessly across multiple devices.
- **Technologies Used:** ReactJS, Redux, Tailwind CSS, Firebase, YouTube API

### E-Shop | [Live Demo](#)

- Developed a feature-rich e-commerce application with functionalities like user authentication, authorization, encryption, token generation, and more on both the client and server sides.
- **Technologies Used:** Express.js, MongoDB, ReactJS, Tailwind CSS, Node.js