

ASHISH BANSAL

SOFTWARE DEVELOPER

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@ portfolio

@ashish-bansal

Cultivated a robust foundation in full-stack development over the course of nearly 2 years, focusing on creating engaging web applications through the integration of the MERN stack, which includes MongoDB, Express.js, React.js, and Node.js. Aiming to contribute technical expertise in a collaborative environment focused on innovative software solutions within the web development industry.

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 & Deployment (CI/CD)
- 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 workstream,** 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

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

- 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.



Personal Details

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

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

Real-Time Monitoring System:

- Designed and deployed an interactive web application, 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