ABHISHEK CHOUDHARY

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Experienced software engineer with a proven track record of delivering high-impact solutions in fast-paced startup environments.
Passionate about building scalable systems and leading cross-functional teams to drive product innovation and business growth.

EXPERIENCE

Headout
Mar 2025 – Present
Senior Software Engineer
Bangalore, IN

- **Review & Rating Project Management :** Took complete ownership of the review and rating project, designing optimized APIs and new user experiences for seamless review collection at scale across 780,000 users, increasing review submissions by 13%.

- **Team Leadership & Mentoring :** Mentored new interns and engineers to accelerate their learning curve and professional growth. Improved team dynamics through comprehensive code reviews and knowledge sharing, fostering a culture of high-quality development practices.

- **WhatsApp Integration & Campaign Optimization :** Integrated WhatsApp APIs to deliver new user experiences via messaging campaigns, increasing booking rates by 7% through targeted campaigns. Analyzed performance and user engagement using Mixpanel to optimize campaign effectiveness.

- **Critical Bug Resolution & Code Quality :** Rapidly resolved critical P0 bugs and high-priority P1 to improve turnaround times. Conducted thorough PR reviews for major releases, identifying and preventing bugs from reaching production environments.

- **UI Optimization & Collaboration :** Collaborated with UX and PM to understand UI roadblocks, enhance component designs, and promote consistency, enabling the team to work more efficiently and reduce development time.

Cimpress
Dec 2023 – Mar 2025
Software Engineer
Mumbai, IN

- **UI Common Components :** Led an epic for analyzing and developing a strategy to create reusable UI components for the in-house Order Management System. Coordinated a subgroup to parallelize tasks, ensuring team alignment and streamlining component creation and deployment.

- **Postgres Query Optimization :** Optimized stored procedures for Postgres 15, improving query performance by 1.4x to 27x. Reduced query response times from 26 seconds to under 1 second by replacing CTEs with joins.

- **Order Management API Design & Implementation :** Led an Epic with a subgroup to design and implement APIs for order creation, validation, rejection, cancellation and search, ensuring seamless integration and efficient execution across the entire flow.

- **Entity Traceability Epic :** Led an epic to design a traceability system, creating a database schema in DocumentDB for long-text and dynamic attribute search. Established entity relationships to enable real-time tracking of entity status across a distributed system.

- **Traceability Backend Integration :** Worked on integrating the traceability system with legacy systems by implementing integration wrappers, ensuring a smooth transition and graceful retirement of the old infrastructure.

Piping Rock
Software Developer

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Jan 2022 – Dec 2023
Bangalore, IN
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- **Pool Manager for Database Interaction :** Designed and developed a pool manager to efficiently handle database connections across multiple servers with varying access levels. This improved application load times by 20%, as measured through Postman tests, by reusing database connections and reducing connection overhead.

- **Warehouse Management System :** Designed and deployed a warehouse management system with React and Node (AWS), optimizing bottle ordering, manufacturing, and scheduling, leading to streamlined processes and reduced operational costs.

- **Batch Scheduling Automation :** Automated batch scheduling with drag-and-drop functionality in React, improving operational efficiency and reducing labor costs by 33%, as evaluated by the Planning Group Operations Manager.

- **Custom ORM :** Created a custom ORM to handle SQL queries via JSON, streamlining business logic execution and preventing deadlocks with a single execution point for all queries.

- **Microservice Project :** Led development of a WebSocket-based microservice with API Gateway and DynamoDB, improving real-time communication and boosting workflow efficiency by 1.3x through optimized server-client updates.

- **UI Libraries :** Developed UI libraries for search and autocomplete with React hooks, integrated throttling and debouncing via custom hooks, and authored detailed technical documentation for implementation and integration.

SKILLS

- **Languages :** JavaScript, TypeScript, SQL, NoSQL, HTML, CSS

- **Frameworks/Libraries :** React.js, Node.js, Express.js, Next.js, Nest.js, Rollup

- **Databases :** MySQL, PostgreSQL, DocumentDB, DynamoDB, MongoDB, MsSQL

- **Tools :** Git, Github, Gitlab, Bitbucket, JIRA, Swagger, CI/CD

- **Architectures/Methodologies :** REST APIs, Microservices, Serverless Architecture, Event-Driven Architecture, Agile, Socket Programming, AWS CDK, Distributed Systems

- **Other Skills :** API Design & Integration, Database Schema Design, Performance Optimization, Entity Relationship Mapping, UI Component Design, Cross-Team Collaboration, Test-driven development

EDUCATION

RNS Institute of Technology
Bachelor of Engineering in Information Science
GPA: 8

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2018 – 2022
Bangalore, IN
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