

VINAY CHOUHAN

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Profile Summary

Full-Stack Developer with **4 years** of experience in the end-to-end design and delivery of secure, scalable, high-performance web applications. Proficient in modern Java ecosystems including **Spring Boot**, **Microservices**, and Reactive programming with **Spring WebFlux**. Expertise in building robust backend systems with **REST APIs**, **PostgreSQL**, and Spring Security (JWT), complemented by skills in responsive front-end development using **Angular**, **React.js** and **Vue.js**. A collaborative team player committed to software excellence, I employ Agile/Scrum methodologies and rigorous testing practices (**JUnit5**, **Mockito**) to deliver high-quality, efficient solutions throughout the entire software lifecycle.

Experience

Mihaan Information Technology Services Private Limited.

Indore, MP, India (Remote)

Designation: Software Engineer

June 2024 – Present

- **Reactive API Development & Integration:** Built and optimized reactive CRUD APIs for Global Trade Management (GTM) using Spring WebFlux, improving API response time by **30%** and reducing redundant DB calls by **25%**, integrated APIs in the frontend **40% faster**.
- **Multi-tenant Notification Engine:** Developed an event-driven email system allowing tenants to create custom templates for application triggers. Implemented a pub/sub pattern with a cron-based dispatcher that utilizes tenant-specific SMTP settings to send e-mails, fully automating the notification lifecycle.
- **Modular Document Engine:** Designed and developed a flexible PDF generation framework using the Template Method and Strategy patterns to streamline the creation of complex business documents. By implementing a core abstract base class, the solution reduced code duplication by 60% and accelerated the development of new document templates, ensuring brand consistency and dynamic data integration.
- **Data Standardization & Automation:** Added preprocessing and normalization flows that cut manual file cleanup effort by **60%**, ensuring consistent ingestion across all content formats.
- **Content Distribution System (CDS):** Spearheaded the design and development of a multi-tenant, subscription-based content distribution platform, leading a team of 3 developers. Architected a standalone server application to centralize global trade data (RPL, HS, ECCN) and serve it to client systems via a secure pull-based API.
- **Automated Data Syndication:** Engineered an event-driven pipeline that automatically processes new data uploads, generates tenant-specific JSON files based on their subscriptions, and publishes them to an S3 bucket. This reduced manual release effort from 2 hours to under 5 minutes, achieving 100% automation.
- **Database & Query Optimization:** Boosted API performance by **40%** by tuning SQL queries and restructuring batch operations. Consolidated multiple database calls into single, efficient queries, **reducing latency by 70%** and significantly improving throughput for large file ingestion.

Direction Software LLP.

Indore, MP, India (Remote)

Designation: Associate Software Engineer

Dec 2021 – Mar 2024

- **Backend API Development:** Engineered and maintained secure, scalable RESTful APIs using Java and Spring Boot, improving data processing efficiency by **25%** and supporting critical features for various client projects.
- **Dynamic Frontend Development:** Built responsive single-page applications (SPAs) with modern frameworks (Angular, Vue.js, React.js), enhancing application performance and reducing page load times by **30%**.
- **Database Design & Optimization:** Designed efficient, normalized database schemas and optimized SQL queries, accelerating data retrieval speeds by **40%** and ensuring robust data integrity.

Technical skills

- **Languages:** Java, JavaScript/Typescript, Go.
- **Backend Frameworks:** Spring boot, Spring Webflux, Jmix, Gin, Nest.js.
- **Frontend Frameworks:** Angular 12, Vue.js (Quasar, Nuxt.js), React.js (Next.js).
- **Database:** PostgreSQL, MySQL.
- **DevOps & Cloud:** AWS, Git, GitHub Actions, Bitbucket, Docker.
- **Tools & IDEs:** IntelliJ IDEA, VS code, pgAdmin, Postman, SourceTree.

Soft skills

- **Leadership & Collaboration:** Proven ability to lead team of 3 developers while maintaining strong collaborative relationships with cross-functional teams.
- **Agile Methodology:** Extensive experience working in Agile/Scrum environments, participating in sprint planning, daily stand-ups, and retrospective meetings.
- **Problem-Solving:** Strong analytical skills with demonstrated ability to troubleshoot complex technical issues and implement effective solutions.
- **Communication:** Excellent verbal and written communication skills, capable of explaining technical concepts.
- **Adaptability:** Quick learner, able to rapidly adapt to new project requirements.
- **Time Management:** Proven track record of delivering projects on schedule while managing multiple priorities effectively.

Projects

- **Audit Management System | Java, Angular 12, PostgreSQL**
Implemented CSR audit workflow, server-side filtering, and a custom event calendar for 500+ users.
- **Human Resource Management System | Java (Jmix), Vue.js (Quasar), PostgreSQL**
Developed attendance tracking, HR configurations, and automated notifications to streamline HR operations.
- **Woldo Analytics | Java (Jmix), Astro.js, Vue.js, PostgreSQL**
Built analytics dashboard with dynamic content management and integrated Stripe for seamless payment processing.
- **License Agreement System | Java (Jmix), React.js (Next.js), PostgreSQL**
Migrated the frontend from Angular.js to React.js and implemented key licensing functionalities for contract management.
- **Global Trade Management System | Java (Spring Boot, WebFlux), Angular 12, PostgreSQL**
Developed reactive REST APIs and optimized database queries for improved performance.
Implemented a multi-tenant notification system to manage tenant-specific alerts and events.
Built a document generation system using iText, enabling both existing and new document creation through a streamlined, automated workflow.

Education

- **Bachelor in Engineering(Information Technology):** Shri Vaishnav Institute of Technology and Science (Gram Baroli, Indore)
- **Higher Secondary(PCM).** Talent Higher Secondary School (Janki Nagar, Indore).

Certifications

- **3CX:** 3CX Basic & Intermediate Certifications
- **Oracle:** Oracle Java Explorer
- **StudySection:** Java Programming Certification
- **HackerRank:** Problem Solving (Basic)