

# Zaid Rafique Patel

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## SUMMARY

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Software Engineer with a strong foundation in computer applications and hands-on experience building real-world software systems, including custom CRM development from ground up. Experienced in designing scalable database architectures, building robust backend services, and deploying applications on Linux servers. Skilled in collaborative development workflows and maintaining code quality through version control best practices. Comfortable working across the software stack with particular interest in system design, complex problem-solving, and modern development workflows. Driven to learn, adapt, and contribute meaningfully to impactful software projects.

## PROFESSIONAL EXPERIENCE

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### Full Stack Developer Intern

**VEGA ENTERPRISES** (Jan 2026 – May 2026)

- **Engineered a Full-Stack CRM:** Architected and developed a custom CRM system from the ground up using Nuxt.js and Node.js, streamlining complex business operations & automating workflows.
- **Database Design & Optimization:** Designed and optimized scalable MySQL database schemas, ensuring high-performance data storage, complex relational querying, and real-time reporting capabilities.
- **Robust Backend & Automation:** Developed secure RESTful APIs with Node.js/Express, implementing role-based access control, automated email dispatching, scheduled Cron jobs, and dynamic PDF generation for instant document creation.
- **Comprehensive ERP/Financial Modules:** Built end-to-end operational modules replicating core accounting software functionalities with automated GST/tax calculations, dynamic discounting, and digital signature capture.
- **Production Deployment & Server Management:** Managed the end-to-end production environment, deploying and configuring the application on a Linux server, including database setup, environment security, and seamless application delivery.
- **Version Control Leadership:** Led Git operations for the development team, maintaining a clean main-branch deployment pipeline, resolving complex merge conflicts, and mentoring fellow developers on standard version control workflows.

### Intern – Operations.

**BUREAU VERITAS - MARINE AND OFFSHORE DEPARTMENT** (April – May 2022)

- Marine Quality Documents, Query Management
- Health Checks of Websites
- Helped in Data Migration to SharePoint

## TECHNICAL SKILLS

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- **Languages:** Java, JavaScript,
- **Libraries & Frameworks:** Spring Boot, Spring Framework, Node.js, Express, React.js, Nuxt.js, Vue.js
- **APIs & AI Tools:** REST APIs, JWT (JSON Web Tokens), OAuth2, Gemini API, Kafka, Nodemailer
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Developer Tools:** Gitlab, Git, GitHub, Docker, Postman, GitHub Actions, CI/CD
- **CS Fundamentals:** DSA, OOP, OS, DBMS, Computer Networks
- **Other Skills:** AI Integration, Email Automation, Browser Extension, Collaboration, Problem-solving

## EDUCATION

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- **Master of Computer Applications (MCA)**  
GNIMS, Mumbai (2024 – 2026)  
CGPA: 9.1

- **Bachelor of Management Studies (BMS)**  
GICD, Mumbai (2020 – 2023)  
CGPA: 7.12

## PROJECTS

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### **DocuMate – AI-Powered Documentation Automation Platform**

*Java, Spring Boot, Electron.js, Gemini AI, JGit, H2 Database, Git Hooks*

- Developed an intelligent documentation assistant that automatically generates and updates READMEs and Dockerfiles on every code commit using AI-driven analysis.
- Implemented real-time project structure analysis scanning entire codebase hierarchy to detect tech stack, architecture patterns, and dependencies for context-aware documentation.
- Integrated Google Gemini AI with flexible response parsing and domain-specific prompts for AI\_DATA, WEB\_SOFTWARE, CLOUD\_INFRA, and EMERGING\_TECH project templates.
- Built automated Git workflow with platform-specific hook installation (Windows/Unix), JGit operations, and diff analysis to trigger AI documentation updates seamlessly.
- Designed Electron.js desktop frontend with visual diff comparison and Spring Boot backend handling project intelligence, AI processing, and version control automation.

### **TaskRadar – From Workforce to Worth Force**

*MERN Stack, Docker, GitLab CI/CD, Chakra UI*

- Built a robust team collaboration platform enabling admins to manage projects, assign tasks, and track employee productivity in real time.
- Implemented features such as dynamic task assignment, status updates, in-progress timers, pause/resume tracking, and project-level employee management.
- Integrated Docker for containerization, Docker Compose for orchestration, and GitLab CI for continuous integration and deployment.
- Tech Stack: MongoDB, Express.js, React.js, Node.js (MERN), Chakra UI (Frontend), Docker, GitLab CI/CD.

### **BFit – AI-Driven Fitness Tracking Microservices**

*Spring Boot, React.js, Redux Toolkit, Kafka, Keycloak, Eureka, Gemini API, Docker*

- Developed a microservices-based fitness platform where users can log workouts, receive AI-generated health recommendations, and manage authentication via Keycloak OAuth2.
- Designed and deployed User, Activity, and AI Services communicating asynchronously through Kafka and discovered dynamically via Eureka Server.
- Integrated Keycloak with Spring Cloud Gateway and WebFlux filters for automatic user synchronization and token validation.
- Leveraged Google Gemini API for generating intelligent fitness recommendations based on user activity data.
- Tech Stack: Java Spring Boot, React.js, Redux Toolkit, Kafka, Keycloak, Eureka, Config Server, Gemini API, MongoDB, PostgreSQL, Docker.

## CERTIFICATIONS

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- **Computer Networks & Internet Protocol** - National Programme on Technology Enhanced Learning (NPTEL), IIT Kharagpur (Score: 68%)
- **Cloud Computing** - National Programme on Technology Enhanced Learning (NPTEL), IIT Kharagpur (Score: 64%)
- **Coding: Development & Advanced Engineering Job Simulation** – Forage, Accenture North America