Gagan Chauhan

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Education

Chitkara University, Bachelor of Engineering in Computer Science   2021 – 2025
CGPA: 8.56/10.0

Ryan International School, Senior Secondary Education   2020 – 2021
Percentage: 80%

Experience

Software Engineer (Intern), Prismberry Technologies Pvt. Ltd, Noida   Oct 2024 - Present

- **Designed** and **implemented** scalable RESTful APIs with Spring Boot, resulting in 30% improved response times, complemented by comprehensive **Swagger/OpenAPI** documentation for enhanced developer integration.
- **Orchestrated** database migrations using **Flyway** across **MySQL** , ensuring zero-downtime deployments and data integrity across diverse environments.
- **Optimized** database queries and implemented indexing strategies, reducing query execution time by 35% and improving overall system efficiency.
- **Established** CI/CD pipelines with **Maven/Gradle** for automated testing and deployment, while also contributing to code quality through comprehensive testing and code reviews.
- **Collaborated** in Agile development environment using **JIRA** for sprint planning and task management.

Skills

Languages: Java, SQL, HTML, CSS
Frameworks/Libraries: Spring, Spring Boot, Spring Security, Hibernate, ORM, JPA, React.js, Node.js, Express.js, TailwindCSS
Databases: MySQL, PostgreSQL, MongoDB
Architecture: Microservices, RESTful APIs, MVC, Design Patterns
Tools: Docker, Git, GitHub, GitLab, JIRA, Linux, Maven, Gradle, VS Code, IntelliJ

Projects

Rental Management System

- **Architected** and built a Rental Management System using **Spring Boot, JPA, Hibernate, and PostgreSQL** to streamline property leasing and financial management.
- **Engineered** a secure Maker-Checker Workflow with role-based access control, reducing unauthorized transactions by 100% before transitioning agreements from **DRAFT to ACTIVE**.
- **Implemented** automatic rental agreement lifecycle management with configurable **escalation rates, security deposits, late payment penalties, and automated renewals**.
- **Integrated** with **AWS S3** for secure document storage and retrieval with proper encryption and access controls.
- **Optimized** database queries and indexing for efficient rental payment tracking and reporting, improving system response time by 40%.
- **Technologies Used:** Spring Boot, JPA, Hibernate, Maven, Lombok, PostgreSQL, AWS S3, UUID-based ID management.

SocialBuzzy - Social Media Platform   Link

- **Developed** a responsive full-stack social media application using **React.js, Node.js, Express.js, and MongoDB**, delivering a highly interactive user experience.
- **Implemented** real-time updates via **WebSockets** (Socket.io) for feeds, messaging, and notifications, enhancing user engagement and interactivity.
- **Engineered** secure user **authentication** and **authorization** system with JWT tokens, **email verification** and **OAuth 2.0** integration.
- **Designed** and optimized MongoDB schemas for efficient data retrieval and management.
- **Technologies Used:** React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.io, OAuth 2.0, JWT.