

Ali Abbas

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Education

- **B.N. College of Engineering and Technology** Lucknow, India
B.Tech in Computer Science and Engineering; CGPA: 7.6 **2019 – 2023**
- **St. Joseph Inter College** Lucknow, India
Intermediate **2019**

Experience

- **Getsimplifin** Bengaluru, India
Software Developer Jan 2023 – Present
 - **Ginkgo & Gomega:** Implemented comprehensive unit testing for Gin APIs using Ginkgo and Gomega, ensuring code quality and reliability.
 - **Golangci-lint:** Integrated golangci-lint, into the development workflow to aggregate multiple linters. This enhanced code quality by detecting issues such as inefficiencies, style inconsistencies, and potential bugs early in the development lifecycle, leading to a significant reduction in post-release bugs.
 - **Approval Request microservice:** Built a microservice to manage approval workflows, including the creation, updating (approval/rejection), and bulk processing of requests. Streamlined approval processes with scalable API design, improving efficiency and decision-making.
 - **CI/CD Pipeline Implementation:** Implemented a robust CI/CD pipeline for a Go microservice, automating the build, test, and deployment processes. This integration ensured rapid, reliable releases and improved overall code quality, significantly reducing time-to-market.
 - **Redlock Implementation:** Implemented Redlock in the approval request microservice to handle concurrency issues, ensuring that conflicting actions (e.g., simultaneous approval and rejection) are prevented by locking the process until one operation completes successfully.
 - **Implemented Database Transactions:** Implemented database transactions to ensure that if any transaction in a set fails, all previous operations are rolled back, maintaining data consistency and atomicity.
 - **Database and Query Optimization:** Led initiatives to enhance database performance by optimizing tables and indexes. Optimized a database query to dynamically transform transaction values from one currency to another during retrieval, improving efficiency by handling the conversion directly in the query.

Projects

- **Course Commerce (Admin Panel): Github**
 - Built an admin panel for an online course selling platform using the **MERN** stack with **TypeScript**, supporting CRUD operations and secure **JWT** authentication.
 - Designed a **responsive** UI with **Material-UI** and implemented state management with **Recoil** for optimal performance.
- **Appointment Scheduler: Github**
 - Created a **Calendly-like** scheduler using **Node.js**, **React.js**, and **MySQL**, enabling easy booking of appointment slots.
 - Utilized **Nodemailer** and **Google Calendar API** to send confirmation emails and create calendar events upon successful booking.

Skills

Languages: Golang, JavaScript

Technologies: AWS (API Gateway, Lambda, CloudWatch), MVC Architecture, Microservices Architecture, React, RESTful APIs, Node, Gin

Tools: VS Code, GitHub, Postman, Docker, Jira

Testing: Ginkgo, Gomega, Golangci-lint

Version Control: Git