Aftab Hussain

Software Engineer

📍 Bengaluru, Karnataka

✉ aftab.h.1993@gmail.com   📞 +91-8867803331

in LinkedIn
○ GitHub

I'm a software engineer highly skilled in developing production-grade applications. Having worked in multiple early-stage startups, I've had the opportunity to work on all aspects of software development including front-end, back-end, database, infra, deployment, and maintenance. Looking for a challenging role to solve complex problems, innovate, and contribute to company growth.

EDUCATION

Dayananda Sagar College of Engineering, Bangalore, India
Bachelor of Engineering, Information Science

SKILLS

Technical Skills

- **Languages:** Golang, Javascript, Typescript, SQL, HTML, CSS, Python
- **Frameworks:** Echo, Gin-Gonic, Node.js, NestJS, Express.js, React.js, Next.js, TailwindCSS, Jest
- **Technologies:** Linux, REST, GraphQL, Docker, Docker-Compose, RabbitMQ, Cloudflare Workers, AWS - RDS, EC2, SNS, SES, Route53, S3, EBS
- **Databases:** PostgreSQL, Oracle, MongoDB, & Redis
- **Tools:** GitHub, GitHub Actions, Bitbucket Pipelines, Postman, Apollo Studio (GraphQL), Jira, Jenkins

WORK EXPERIENCE

Radisys Corporation (Reliance Jio Platform Ltd.)   (May 2023 - Present)
Senior Software Engineer

- Tech Stack: Go, REST, Redis, MongoDB, MySQL, OAuth2, RCS, EFK, Prometheus, Grafana, Linux, Kafka, Jenkins
- Developed a high-performance REST API in Go, with Redis caching, OAuth2 authentication, and MongoDB as the primary database, sustaining 2500 RPS.
- Established a robust codebase adhering to SOLID principles, emphasizing clear separation of business logic and infrastructure, resulting in easy maintenance and extensive test coverage. This included setting up interfaces, dependency injection, and comprehensive unit tests.
- Resolved high-traffic issues during load testing, including TCP socket overflow, Redis/mongo connectivity, and memory optimization. Implemented advanced error handling, and logging strategies, and optimized read/write/server timeouts and DB connection & goroutine pools.
- Created simulated/mock servers for the external APIs enabling load testing without external dependencies.
- Demonstrated expertise in MongoDB data modeling, strategically implementing denormalization where appropriate while safeguarding data integrity.
- Managed and mentored a team of 4 trainees, conducting code reviews, and fostering clean coding practices to maintain a highly testable codebase.

🔗 https://www.radisys.com/

Flurn   (Apr 2022 - Apr 2023)
Senior Software Engineer

- Created REST APIs using Go, Echo framework, GORM, Asynq, RabbitMQ, and PostgreSQL. Tasks included analyzing with the product/tech team, API design, DB modeling, external tool integration, and test case setup.
- Re-architected synchronous APIs into an Event-Driven Design using RabbitMQ and Asynq, resulting in a ~30% improvement in API response times. The refactored code is now cleaner, modularized, and adheres to SOLID principles.
- Implemented Test Driven Development - wrote unit tests in Go and 200+ API tests in Postman.
- Deployed Go and Next.js applications on Digital Ocean and Render. Responsible for any production deployment issues.
- Dockerized our in-house application built on Next.js, set up CircleCI to build the docker image, and add it to the Digital Ocean registry.
- Conducted code reviews, advocated for clean coding practices, conducted 10+ interviews and onboarded & managed interns.
- Developed and enhanced existing features of multiple services like Payments, Ledger, Subscription, Notification, Authentication, and Cron.
- Integrated with multiple external applications such as Razorpay, Wati, Firebase, Google Sheets, and Cloudinary.
- Managed domains using Cloudflare and leveraged Cloudflare Workers to develop a URL shortening service for the Marketing Team.
- Developed Python scripts and scrapers to automate data gathering and processing.
- Converted our primary WordPress website to a non-WordPress site using HTML, TailwindCSS, and vanilla JavaScript.

🔗 https://flurn.in

LearnQ   (Jan 2021 - Apr 2022)
Senior Backend Developer

- Set up a GraphQL server using Node.js, Express.js, MongoDB (Atlas), Redis, Typescript, Typegoose, Jest, and TypeGraphQL.
- Deployed application on AWS Elastic Beanstalk, set up load balancing using Elastic Load Balancer, Elasticache Redis for storing sessions & caching, and RDS for MySQL DB.
- Set up multiple Bitbucket pipelines for CI/CD.
- Conducted requirement analysis, produced detailed architectural design, and designed API schema and database for scalable, extensible applications.
- Implemented domain-based routing and load balancing using NGINX.
- Integrated with Razorpay and Stripe to set up Payment Workflow.

🔗 https://learnq.ai

eTranbiz Global Technologies   (Jan 2018 - Jan 2021)
PL-SQL Developer & Team Lead

- Lead an 8-member team of Oracle technologies consultants. Worked on multiple projects with 3+ global and domestic clients.
- Gained a deep understanding of RDMS, SQL, and Schema Design for relational databases.
- Developed multiple features using Oracle PL-SQL and its features such as triggers, cursors, stored procedures, and functions.
- Performed SQL tuning on existing reports and queries, reducing their load times.

🔗 https://etranbiz.com