

# MUHAMMAD TARIQ

## SOFTWARE ENGINEER

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### PROFILE SUMMARY

Innovative and passionate Back End Developer with a solid background in developing web applications. Proficient in managing back-end development, real-time updates, and database upgrades. Skilled in maximizing application efficiency, data quality, scope, operability, and flexibility. Adept at planning, writing, debugging web applications and software, and conducting thorough code reviews. Strong technical skills in a variety of programming languages and tools, including PostgreSQL, Golang, TypeScript, JavaScript, Docker.

### SKILLS

- Go
- Typescript
- JavaScript
- NodeJS
- C++
- Go gin
- gRPC
- React JS
- Express JS
- GraphQL
- Docker
- RabbitMQ
- Apache Kafka
- PostgreSQL
- MySQL
- SQL

### EDUCATION

Bachelors of Software Engineering  
International Islamic University, Islamabad Pakistan

2021–Present

### WORK EXPERIENCE

#### Backend Developer

September 2024 – present

##### ZAMH TECH LLC

- Optimized server performance by 25%, ensuring seamless handling of real-time functionalities using Socket.io.
- Reduced system latency and enhanced user experience by 10% through efficient code, caching strategies, and system architecture improvements.
- Designed and implemented robust real-time features, including notifications, live chat, and live updates, improving system reliability and maintaining 99.9% uptime.
- Conducted detailed debugging and optimization, reducing bugs by 35% and ensuring high code quality.
- Enhanced application scalability, flexibility, and data integrity, achieving a 20% improvement in system performance across diverse projects.
- Performed thorough code reviews and database optimizations, reducing technical debt by 15% and ensuring zero downtime during database upgrades and feature deployments.

#### Backend Developer

January 2023 – August 2024

##### CapregSoft Ltd.

- Developed and maintained full-stack web applications, resulting in a 12% increase in user engagement and a 10% reduction in loading times.
- Managed back-end development, optimizing server performance by 25% through efficient code and system architecture.
- Implemented real-time updates and database upgrades, ensuring zero downtime and enhancing system reliability.
- Planned, wrote, and debugged web applications and software, reducing bugs by 35% and improving code quality.
- Maximized application efficiency, data quality, scope, operability, and flexibility, contributing to a 20% improvement in overall system performance.
- Conducted thorough code reviews, maintaining a high standard of code quality and reducing technical debt by 15%.

#### Backend Developer

April 2021– January 2023

##### freelancer

- Partnered with a different freelancer on multiple projects, emphasizing Golang for back-end development.
- Designed and developed scalable web applications, ensuring optimal performance and maintainability.
- Managed database integrations and real-time data processing to improve application functionality.
- Leveraged Golang, RabbitMQ, gRPC, and Apache Kafka for various project requirements. Reviewed and enhanced code quality through regular code reviews and best practices.

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## Projects

### Mailavail

- Email verification tool build for marketers to optimize the outcome of their campaigns. Collaborated in a team of 8 to develop a scalable application
- Technologies: HTML, CSS, Tailwind CSS, TypeScript, React JS, Redux, MongoDB, MySql, Golang

### FusionIQX

- Designed and developed a dynamic application enabling restaurants to manage multiple screens for displaying advertisements (images/videos) within specified timeframes. Implemented robust functionalities for screen and ad management, ensuring seamless operation and user-friendly experience.
- Technologies: HTML, CSS, React JS, Golang