

Mohd Quamar Tyagi

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EDUCATION

Chandigarh Engineering College
Bachelor of Computer Science and Engineering

Oct 2021 – 2025
7.9 CGPA

EXPERIENCE

Takkada (PaySaathi)

Founding Engineer | Flutter, Supabase, PostgreSQL

May 2026 – Present
Remote

- Built end-to-end ERP modules across **Flutter mobile/web and Supabase backend** for Sales Orders, Quotations, Invoices, GRNs, and Credit Notes, including API contracts, validation logic, state flows, and production hardening.
- Engineered backend APIs using **Supabase Edge Functions and PostgreSQL RPCs**, with schema migrations, RLS/RBAC policies, and feature-access controls for role-based behavior and register visibility.
- Developed accounting and document pipelines for **PDF generation, GST, e-invoice/e-way bill handling, and TallyPrime sync/writeback**, improving data consistency and recovery across invoice and order workflows.
- Built and deployed a **Next.js admin/CRM dashboard** integrated with Supabase auth and services, and resolved production issues across app, web, APIs, and database layers.

Zomato

Software Development Engineer (SDE-1) | Go, gRPC, MySQL, MongoDB

Jul 2025 – Dec 2025
Gurgaon, India

- Optimized backend request paths by eliminating redundant **gRPC and MySQL** calls, improving **p90 latency by 5x** across production CX services.
- Automated ticketing and chatbot workflows, reducing manual operations by **80%** and support workload by **35%**.
- Integrated **Zendesk and Freshdesk** with internal microservices, implementing ticket synchronization, callbacks, and external CX workflows.

The Linux Foundation

Software Development Engineer Intern | Docker, Nginx, gRPC, Minikube

Nov 2023 – Mar 2024
Remote

- Migrated service communication from traditional HTTP-based flows to **gRPC**, improving data-transfer performance by approximately **60%**.
- Built containerized CloudForet development environments using **Docker, Nginx, and Minikube**, supporting development across **50+ microservices**.
- Improved local development and deployment workflows for distributed services through reusable container and infrastructure configurations.

PROJECTS

[Accommodation Finder](#) | React.js, Node.js, Express.js, MongoDB, Docker

[Source Code](#)

- Created a secure user registration and login system using JWT, reducing unauthorized access incidents by **30%**.
- Designed and launched a booking system enabling seamless tour selection and reservation, increasing online bookings by **40%** within 3 months.
- Launched a review and rating system, boosting engagement by **40%** and improving tour quality ratings by **25%**.

[NexLink – URL Shortener](#) | Next.js, Node.js, MongoDB, Serverless APIs, Vercel

[Source Code](#)

- Built a full-stack URL shortener using **Next.js and MongoDB** with real-time link analytics.
- Engineered serverless backend routes for secure URL generation and analytics, maintaining **99.99% uptime** through Vercel.
- Designed a stateless backend architecture optimized for scalable, high-concurrency URL redirection and sharing.

ACHIEVEMENTS

- Reached **2030+ rating (Candidate Master)** on Codeforces.
- Achieved **2400+ rating** on LeetCode, placing approximately in the **top 0.6% globally**.
- Achieved a **5-star rating** with a peak rating of **2017** on CodeChef.

TECHNICAL SKILLS

Languages: Go, Python, C++, TypeScript, JavaScript, Dart, SQL

Backend: Go, Node.js, Express.js, gRPC, REST APIs, Microservices, Supabase

Frontend: Flutter, React.js, Next.js

Databases: PostgreSQL, MySQL, MongoDB, Redis

Cloud & Infrastructure: AWS, Docker, Linux, GitHub Actions, Vercel, Railway, Cloudflare

Core: Distributed Systems, Backend Engineering, System Design, Data Structures & Algorithms