

MOHAMMAD TAQI KHAN

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Website | LinkedIn | Codeforces | LeetCode | CodeChef

PROFESSIONAL SUMMARY

Software engineer focused on backend development with Node.js and PostgreSQL. Shipped a production order-tracking system supporting **15K+ orders daily** and a migration pipeline for **5M+ customer records**, with experience in production deployment and monitoring.

EXPERIENCE

Fynd - Software Development Engineer (SDE) Intern

November 2025 - Present

- Built and deployed a Node.js migration pipeline for 5M+ customer profiles, addresses, and reward balances, preserving customer accounts during the transition to Fynd. Incorporated AWS S3 streaming, validation, duplicate handling, API rate-limit controls, exponential-backoff retries, and failure reporting with GCS archiving.
- Built and deployed a serverless order-tracking system processing 15K+ orders daily. Every 2 minutes, a Node.js job reads active orders from PostgreSQL-backed tables and polls external status APIs using bounded concurrency, updating customer-facing tracking data and triggering emails and notifications on status changes.
- Built and deployed **multiple production alerting systems**, including cross-service consistency checks integrating MongoDB and platform APIs. Detected discrepancies in store and delivery-zone availability, enabling early incident detection and operational investigation.
- Built and maintained the complete customer email flow across the order lifecycle, converting Figma designs into dynamic templates and generating order-specific content through JavaScript and webhooks. Automated other recurring tasks, including a daily pipeline that exports customer and order data as CSV files to AWS S3.
- Contributed production code across **4 client projects**, including delivery-partner assignment and refund-initiation extensions. Raised PRs through Azure Repos, deployed serverless components through Azure CI/CD, supported go-lives, authored runbooks, and trained L1 support.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Java, C

Frameworks: Node.js, Express.js, React, Next.js

Systems / APIs: REST APIs, API Integrations, Serverless Systems, Scheduled Jobs, Data Pipelines, Node.js Streams, Asynchronous and Concurrent Processing, Rate Limiting, Retry Strategies, Authentication/JWT

Data / Cloud: PostgreSQL, MongoDB, Redis, AWS S3, GCS, Cloudflare Workers

DevOps / Tools: Docker, Azure CI/CD, Git, GitHub, Azure Repos, Linux CLI, Postman

EDUCATION

Terna Engineering College, University of Mumbai

May 2026

Bachelor of Engineering (B.E) - Computer Engineering

Related Coursework: Data Structures & Algorithms; Operating Systems; DBMS; Computer Networks; Artificial Intelligence; Object-Oriented Programming.

ENGINEERING HIGHLIGHTS

- System Design:** Working knowledge of trade-offs in polling versus webhooks, concurrency limits, retry policies, and state consistency, informed by production implementation and continued study.
- Production Engineering:** Investigated time-zone, concurrency, and order-processing issues; contributed to testing, go-live monitoring, and operational handover for customer-facing systems.
- AI-Assisted Development:** Use AI for code comprehension, implementation, and debugging, with review and validation before integration.
- Problem Solving & Leadership:** Practise data structures, algorithms, and complexity analysis; peak LeetCode rating **1529**. Led a 4-member team that delivered 3 full-stack projects.

PROJECTS

VoltPay - Peer-to-Peer Payment System

Node.js, PostgreSQL, Prisma, Docker

Implemented P2P balance transfers using database transactions and row-level locking, with a separate bank-webhook service.

Madhyam - AI Publishing Platform

TypeScript, Hono, Prisma, Cloudflare Workers

Built a serverless backend on Cloudflare Workers with JWT authentication, Prisma-backed PostgreSQL persistence, and Gemini-assisted content generation.

TaskFlow - Task Management Application

React, Node.js/Express, MongoDB, REST APIs

Built a MERN task manager with category views, Express REST APIs, and MongoDB-backed task persistence.