

# Mohammad Waqar Khan

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## SUMMARY

Backend Developer with 3 years of experience in Ruby on Rails, Node JS, Nest JS, GraphQL and Agile Methodologies. Known for innovation and customer-centric solution. Skilled in leading cross-functional teams and achieving objectives. Flexible thinker with outcome-focused approach for emerging technologies and solve complex challenges

## EDUCATION

### Maulana Abul Kalam Azad University of Technology

Bachelor of Technology in Information Technology (80%)

Kolkata, India

July 2018 – June 2022

### Benhur High School and College

Higher Secondary with PCM (83%)

Allahabad, India

May 2015 – April 2017

## EXPERIENCE

### Software Engineer

Nov 2022 – Present

Caratlane A TATA Product

Bangaluru, India

- **Proposed** AWB consolidation strategy leveraging software to group 200+ orders daily under single Air Waybills, cutting shipment costs by 15% and optimizing logistics expenses for the company, a \$2000 monthly savings.
- **Optimized** AWB generation while hitting clickpost API in postback call from Bridge and reduced latency by 10%
- **Migrated** a monolithic Ruby on Rails REST API to NestJS and GraphQL, improving scalability, flexibility, and performance reducing response times by 30%.
- **Enhanced** an existing query by 100% to efficiently fetch data from a large table, significantly improving system performance from 6s to 3ms
- **Implemented** caching strategies using Redis and in-memory caching, reducing redundant calls and enhancing response times by 20%
- **Authored** unit, integration, and end-to-end tests with Jest, Postman, and GraphQL Playground to ensure robust API reliability.
- **Developed** a system to track Internal Transfer Outward (ITO) using cutoff times and automated timestamp comparisons for on-time or delayed status.
- **Introduced Webhooks** and developed a secure API endpoint to capture live shipment status using the Air Waybill (AWB) number, whitelisted ClickPost IPs via DevOps, and automated status updates within the business application.
- **Engineered an IPP** page to automate and resolve over 10K daily customer queries related to SKUs and their variants, cutting response time from 2–7 days to instant access.

### Software Engineer Intern

July 2022 – Oct 2022

Caratlane A TATA Product

Remote

- **Refactored** legacy code in the ITR module, reducing live issues by 50% and improving system stability.
- **Optimized** SQL queries for table data retrieval, cutting response time by 40% for better performance.
- **Proposed** a solution for destination selection in the ITR module, enhancing engraving and gifting product workflows.
- **Conducted** API load testing, identified bottlenecks, and implemented fixes, leading to a 30% improvement in API scalability and reliability.

## TECHNICAL SKILLS

**Backend & APIs:** Node JS, Ruby on Rails, Nest JS, GraphQL, RESTful APIs, Microservices

**Message Queues:** Kafka, Sidekiq

**Database & Caching:** MySQL, Redis, ElasticSearch

**Programming Languages:** C++, Type Script

**Cloud & Monitoring Tools:** Aws S3, Datadog, Scrum Master, Postman, Docker

## AWARDS/CERTIFICATES

Full Stack Development (MERN) — GFG

Problem Solving - HackerRank

CaratLane HackaThon 2024 - Stood at 4th Place for AWB Consolidation