Md Yousuf Ali Khan

Senior Full Stack Software Engineer

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Summary

Senior full-stack software engineer with 10 years of experience building operational software across logistics, healthcare, e-commerce, and financial services. At Kuehne+Nagel, helped replace Excel-based pharmaceutical shipment monitoring with a 24/7 event-driven platform that increased an operator's monthly capacity from roughly 100 to nearly 600 shipments. Combines hands-on engineering with product judgment, translating user and business needs into focused technical solutions and taking features from requirement clarification through production.

Experience

Senior Software Engineer, Full Stack

Jul 2022 – Present

Kuehne+Nagel · Hamburg, Germany

- Replaced Excel-based pharmaceutical shipment monitoring with a unified web application, increasing an operator's monthly capacity from roughly 100 to nearly 600 shipments.
- Built and maintained a 24/7 event-driven platform with Spring Boot, Kafka, and Angular, combining shipment data from several systems into one operational workflow.
- Proposed and integrated automated AI calls that contact known airport ground-handling agents and record confirmed availability of temperature-controlled storage for 2–8°C shipments, reducing manual calls and data entry.
- Investigated a request for an Outlook-like communication feature and identified the underlying problem: two operators could work on the same shipment. Designed a simpler assignment and locking workflow that prevented duplicate work without building a separate messaging system.
- Introduced shared frontend and backend code standards, automated quality checks, and consistent commit conventions. Onboarded seven developers and supported their technical integration into the team.
- Designed modular components that can support future expansion from Air Logistics into Sea and Road logistics.

Software Engineer

Aug 2019 – Jul 2022

Method Park by UL · Erlangen, Germany

- Developed an AI-assisted Angular application that helps orthopedic surgeons review X-ray reports.
- Built highlighting and annotation workflows around AI-flagged anomalies, allowing surgeons to inspect specific report sections and identify details requiring further review.
- Developed features supporting post-operative recovery monitoring while keeping clinical decisions with healthcare professionals.

Software Engineer

Oct 2017 – Apr 2019

InfancyIT · Sylhet, Bangladesh

- Turned stakeholder requirements into technical plans and delivered full-stack products using Laravel, Vue.js, Express, and React.
- Built and scaled REST APIs for a food-delivery platform handling more than 10,000 requests per day.
- Worked with a five-person engineering team on performance and conversion improvements associated with a 20% increase in annual revenue.

Software Engineer

Oct 2016 – Sep 2017

Vivacom Solutions Ltd · Dhaka, Bangladesh

- Built a content management system for a telecommunications provider serving several million subscribers.
- Developed Spring Boot microservices for a mobile-banking platform and improved deployment workflows through CI/CD automation.
- Introduced Docker across internal projects so development, testing, and production environments behaved consistently.

Skills

Languages	TypeScript, JavaScript, Java, Kotlin, PHP, SQL
Frontend	Angular, React, Vue.js, TanStack Start, RxJS
Backend	Node.js, NestJS, Express, Spring Boot, Laravel, REST, GraphQL
Architecture	Microservices, Event-driven (Kafka)
Data	PostgreSQL, MySQL, Redis
DevOps	Docker, GitLab CI/CD, AWS (EC2, S3, Lambda, RDS), Git
Testing	Jest, JUnit, Mockito, Playwright
Commerce	Shopify app development (billing, webhooks, App Store)

Education

M.Sc. International Software Systems Science

Apr 2019 – Jun 2022

Otto-Friedrich-Universität Bamberg · Master's degree

Bachelor of Engineering, Computer Engineering

Jan 2011 – Jun 2015

Shahjalal University of Science and Technology

Languages

English – C1 · German – A2 · Bangla – Native · Hindi – B2

Recommendations

"Much of ASTRO's success comes from his ability to bridge business needs and technical execution."
– **Gricel Bernal**, Global Supply Chain & Logistics Leader

"He supports collaboration between technical and business stakeholders and consistently delivers on his commitments." – **Daiany Palacios**, Senior Platform Product Manager

"I'd hire him again any time." – **Christian Lederer**, Head of Medical Applications