

ADEEL AHMED

Senior Full Stack Engineer | Node.js · TypeScript · React.js · Distributed Systems
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Open to Relocation | Available to Join Immediately (Within 1 Week)

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 6+ years shipping production systems end-to-end in Node.js, TypeScript, and React.js. Backend depth in event-driven microservices, financial and transactional domains where correctness is non-negotiable, asynchronous job pipelines, and high-throughput RESTful APIs over PostgreSQL, MySQL, and MongoDB — paired with the frontend ownership to take a feature from schema design through the interface users touch. Track record across enterprise ERP and multi-tenant SaaS platforms: modeling complex domain logic, profiling and eliminating bottlenecks under production load, and sustaining rigorous test coverage across business-critical workflows.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Sep 2025 – Present

Xenia — Remote, United States

Unified frontline operations platform for task execution, maintenance management, and safety compliance.

Node.js · TypeScript · React.js · PostgreSQL · Redis · ClickHouse · Kafka · BullMQ

- Profiled backend services under production load and resolved throughput and latency bottlenecks, measurably improving API response times and platform stability.
- Engineered a bulk user import pipeline handling large CSV uploads with row-level validation and structured error reporting, offloaded to BullMQ workers so ingestion never blocks request threads.
- Designed a hierarchical Group Location system that automatically propagates location context across tasks, submissions, and reports, eliminating manual reassignment platform-wide.
- Built the React.js interfaces for both features end-to-end, including a Gallery View for submission attachments with lazy loading and efficient media handling at scale.
- Authored unit and integration tests covering import workflows, location propagation logic, and API contract reliability.

Senior Backend Engineer

Jan 2023 – Aug 2025

JiBe ERP — Remote, United States

Enterprise ERP for the maritime industry spanning technical, crew, procurement, and financial modules.

Node.js · TypeScript · Express.js · React.js · MySQL · MongoDB · RabbitMQ

- Architected the Journal Entries module from the ground up — double-entry data model, transaction integrity guarantees, and multi-currency handling — supporting manual creation, bulk Excel import, and automatic generation triggered by Invoices, Payments, and Purchase Orders.
- Built an event-driven integration layer on RabbitMQ consuming Procurement and Invoicing events to post Journal Entries asynchronously, decoupling financial posting from upstream services while keeping reports continuously in sync.
- Designed and shipped 20+ financial reports across ledgers, receivables, payables, and multi-currency reconciliation, writing complex SQL aggregations tuned for large transactional datasets.
- Developed the Invoices domain end-to-end across API and UI: line-item modeling, tax calculation rules, payment allocation, and full lifecycle state management surfaced through the React interface.
- Maintained rigorous unit and integration coverage over financial calculation logic, API contracts, and background job processing to protect correctness in a compliance-sensitive domain.

Backend Developer

Mar 2022 – Dec 2022

My Book Qatar — Remote, Qatar

Digital loyalty and rewards platform offering deals across dining, entertainment, and wellness.

Node.js · Express.js · React.js · PostgreSQL · Redis · BullMQ · AWS Lambda

- Re-architected the Vodafone Qatar signup flow from synchronous processing to an asynchronous BullMQ queue backed by AWS Lambda, resolving a critical throughput bottleneck and stabilizing the service under heavy concurrent load.
- Built the iPoints loyalty engine end-to-end, modeling point accrual, expiry, and redemption rules across merchant offers within the My Book Qatar and iPASS ecosystem.
- Shipped bug fixes and platform improvements across the stack that raised overall service stability and user experience.

Backend Developer

Jul 2021 – Feb 2022

Lessgo — Remote, United Kingdom

Social platform for planning outings and discovering local social circles.

Node.js · TypeScript · NestJS · MongoDB · Redis · SendGrid

- Improved backend scalability by restructuring MongoDB queries and indexing strategy, cutting API latency across core user-facing endpoints.
- Designed and built the MEETUP feature from scratch on NestJS, implementing geospatial location-based matching, event lifecycle management, and a real-time notification pipeline.
- Integrated SendGrid for transactional email — event invitations, calendar reminders, and friend activity notifications.

Full Stack Developer

Jul 2019 – Jun 2021

BCDapps — On-site, Pakistan

Software development agency delivering custom web and mobile applications for international clients.

EverReal — German real estate SaaS for landlords, property managers, and agents

Node.js · TypeScript · Express.js · React.js · PostgreSQL · AWS (SES, SNS, SQS, S3)

- Contributed across the full feature lifecycle of a large-scale multi-tenant SaaS platform, implementing new backend and frontend functionality and resolving production issues.
- Built an e-signing service for digital signature collection on lease contracts and legal documents, managing document state transitions across the contract lifecycle.
- Implemented automated PDF generation for contracts and reports with secure S3 storage, plus an SES/SNS/SQS pipeline for notifications and asynchronous job processing.

Lawn-Tek — Lawn care booking platform serving Cedar Rapids and Iowa City

NestJS · TypeScript · React.js · MongoDB · Stripe

- Built and shipped the entire platform solo on NestJS and React.js, owning schema design, API architecture, UI, and deployment.
- Implemented an automated pricing engine computing cost estimates from geospatial area calculations, paired with a map-based lawn area selector on the frontend.
- Integrated Stripe for end-to-end payment processing, handling webhooks and order lifecycle state from checkout through confirmation.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Node.js, SQL, HTML5, CSS3

Frontend: React.js, Redux, Component Architecture, State Management, REST API Integration, Responsive Design

Backend & APIs: Express.js, NestJS, RESTful API Design, GraphQL, Microservices, Event-Driven Architecture

Databases: PostgreSQL, MySQL, MongoDB, Redis, ClickHouse, Query Optimization, Schema Design, Aggregations, Indexing

Messaging & Async: RabbitMQ, Kafka, BullMQ, AWS SQS/SNS, Background Job Processing, Queue-Based Workflows

Cloud & DevOps: AWS (EC2, S3, Lambda, SES, SNS, SQS), Docker, CI/CD, Multi-Tenant Architecture

Testing & Tools: Jest (unit and integration), Git, Stripe, SendGrid

EDUCATION

B.S. in Computer Software Engineering

2015 – 2019

National University of Sciences and Technology (NUST), Pakistan