

Moh Nadeem Ahsan

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Career Objective

Backend Developer specializing in Node.js, Express.js, MongoDB, and AWS, with proven experience designing scalable REST APIs, integrating logistics and payment systems (Uber Direct, Stripe, Razorpay), and deploying production-grade systems using Docker-based CI/CD pipelines. Expert in building AI-driven automation, cloud-native services, and data-intensive backends that focus on performance, fault tolerance, and maintainability.

Technical Skills

Backend: Node.js, Express.js, RESTful APIs, WebSockets

Database: MongoDB (Atlas & EC2-hosted), MySQL

Cloud & DevOps: AWS EC2, AWS S3, AWS Textract (OCR), CloudWatch, PM2, GitHub Actions (CI/CD Pipelines)

Automation & AI: Puppeteer, 2Captcha API, OpenAI API, Redis

Integrations: Stripe, Razorpay with auto pay, Uber Direct API, Firebase Cloud Messaging

Professional Experience

Dev Story — Backend Developer (Apr 2025 – Present)

Architected and deployed production-ready backend systems using Node.js, Express.js, and MongoDB. Built CI/CD pipelines with GitHub Actions, Docker, and PM2 for automated workflows on AWS EC2. Integrated Uber Direct API for dispatch, delivery tracking, and webhook-based order updates. Managed infrastructure with Nginx and CloudWatch for high availability. Used Redis, webhooks, and retries. Reduced API response time by 40% using aggregation pipelines and caching. Automated secure file management with AWS S3 signed URLs and CDN delivery.

Brilliants Web — MERN Stack Developer (Feb 2024 – Mar 2025)

Built modular APIs using Node.js + Express for authentication, payments, and product management. Implemented JWT-based RBAC and validation with Class Validator. Integrated Stripe and Razorpay for secure multi-currency payments. Created Docker-based staging environments for consistent deployments. Configured CI/CD pipelines to auto-deploy merged branches via GitHub Actions.

Projects

Tender Search & Management Tool (AI + Automation System)

Stack: Node.js, Express, Puppeteer, 2Captcha API, AWS EC2, AWS S3, AWS Textract (OCR), MongoDB, OpenAI API, Redis

Built an AI-powered automation system to discover and process tenders from government portals. Used Puppeteer + 2Captcha API to bypass CAPTCHA and scrape tender data dynamically. Parsed tender PDFs — text-based via pdf-parse and image-based via AWS Textract OCR. Uploaded tender files to AWS S3, extracted structured data, and stored it in MongoDB. Applied AI/NLP (OpenAI API) to extract eligibility criteria, scope, and financial details. Deployed on AWS EC2 via Docker + GitHub Actions CI/CD for daily runs. Generated and emailed AI-filtered tenders with eligibility recommendations.

MatchCatch App

Stack: Node.js, Express, MongoDB, AWS S3, EC2, Redis, CI/CD

Architected backend using Node.js + Express, deployed via GitHub Actions CI/CD on AWS EC2. Integrated AWS S3 for media uploads with signed URLs and CDN caching. Optimized MongoDB queries and added Redis caching, reducing API latency by ~40%.

bzybe

Stack: Node.js, RabbitMQ, AWS EC2, AWS S3, Stripe, CI/CD

Developed event-driven backend using RabbitMQ for async notifications. Managed file uploads via AWS S3 multipart streams and deployed containers via EC2 CI/CD. Integrated Stripe for subscriptions and webhook-based billing automation.

Red Fashion (KSA)

Stack: Node.js, Express, MongoDB, AWS S3, EC2

Optimized e-commerce backend with 100K+ SKUs, aggregation pipelines, and pagination. Managed catalog sync with EC2 cron jobs and image versioning on AWS S3. Hardened backend with Helmet, Rate Limiting, and Sanitization Middleware.

Aptk Nutrition

Stack: Node.js, Express, MongoDB, AWS EC2, Uber Direct API, Docker, CI/CD

Integrated Uber Direct API for real-time delivery scheduling and cost estimation. Deployed backend with Docker + CI/CD for auto-deployment to EC2. Configured AWS CloudWatch + PM2 logs for monitoring and alerting.

Loyalty App

Stack: Node.js, Express, AWS S3, Firebase, EC2, CI/CD

Built APIs for loyalty point systems and referral rewards. Integrated Firebase Cloud Messaging (FCM) for push notifications. Managed assets via AWS S3 and deployed backend using GitHub Actions CI/CD → EC2.

QuickShift (Beta)

Stack: Node.js, Express, MongoDB, Uber Direct API, Socket.io, EC2, Docker, CI/CD

Developed real-time driver tracking backend using Socket.io + MongoDB change streams. Integrated Uber Direct API for courier assignment and live tracking. Configured CI/CD (GitHub Actions → Docker → EC2) for automated zero-downtime updates.

Education

Master of Computer Applications (MCA) — Kurukshetra University (2022 – 2024)

Bachelor of Computer Applications (BCA) — Asian College, Sarsawa (2019 – 2022)

Higher Secondary Education (12th) — D.C. Jain Inter College (UP Board, 2019)