

Profile Summary

Node.js Backend Engineer with a strong foundation in backend system architecture and DevOps practices. Proficient in building scalable, high-performance APIs using Node.js and Express.js, with hands-on experience in MongoDB, Redis, and cloud-native services on AWS and Azure. Skilled in designing secure and efficient RESTful APIs, implementing authentication flows (OAuth, JWT), and integrating CI/CD pipelines using GitHub Actions. Experienced in containerizing applications with Docker and orchestrating services with Kubernetes. Passionate about clean code, performance optimization, and building resilient backend systems.

Education

Galgotias University	June 2022 - July 2024
Master of Computer Application (Cybersecurity)	
Agra University	June 2018 - September 2021
Bachelor of Science - Mathematics	

Skills

- Languages: JavaScript, TypeScript, Python, Java, Bash
- Backend & Frameworks: Nodejs, Express.js, Flask, REST APIs, WebSocket, JWT, BullMQ, API Rate Limiting
- Databases: MongoDB, Mongoose ODM, CosmosDB, SQL Server, Redis
- DevOps & Tools: Docker, Docker Compose, Kubernetes, Git, GitHub Actions, Nginx, PM2, Postman, Linux
- Cloud & Infrastrucutre: Microsoft Azure, AWS, Terraform, CI/CD Pipelines
- Other: Networking, Microservices Architecture

Work Experience

Factacy.ai	July 24
<ul style="list-style-type: none">◦ Developed and optimized backend services using Node.js and Express.js, improving API response times by 40% and supporting 100+ concurrent users with minimal latency.◦ Designed efficient MongoDB and CosmosDB schemas, improving query performance and data scalability across production workloads.◦ Built and maintained CI/CD pipelines with GitHub Actions, automating testing, build, and deployment across dev and prod environments, reducing release time by 40%.◦ Dockerized Node.js microservices and deployed them using Kubernetes, increasing service reliability and scalability via multi-pod orchestration.◦ Integrated Redis for caching frequent API responses, reducing database read operations and enhancing request throughput.◦ Integrated BullMQ for task queuing and background job processing, supporting workflows like video processing and email dispatching with retry and delay logic.◦ Led log management and analysis using Linux and Nginx logs to troubleshoot and resolve production issues, decreasing mean time to recovery (MTTR) by 20%.	

Projects

Hiring Application	<ul style="list-style-type: none">◦ Containerized the full-stack application using Docker and orchestrated deployment with Kubernetes, managing 4 pods (frontend, backend, MongoDB, Redis) across 2 worker nodes for improved resource isolation◦ Enhanced application uptime by 35% and reduced response latency by 20% by optimizing inter-service communication through Kubernetes networking and pod distribution◦ Automated daily backups via Bash scripts, achieving 100% backup success rate and cutting down manual maintenance time by 2+ hours per week.◦ Implemented CI/CD with GitHub Actions, reducing deployment time by 70% and ensuring zero-downtime releases, leading to 20% faster feature rollouts.
Wander Connect Application	<ul style="list-style-type: none">◦ Designed and built a travel matchmaking platform enabling users to connect with others based on shared destinations and travel dates, resulting in a 30% increase in user engagement during testing.◦ Developed the backend using Node.js and express, with MongoDB as the primary data store, handling over 10K+ API requests per day in load testing.◦ Implemented secure authentication with JWT and cookie-based session management, supporting role-based access control and reducing unauthorized access attempts by 90% during QA.◦ Modelled complex schema using Mongoose, including user profiles, trip itineraries, and swipe logic, enabling scalable relationships.