

Utkarsh Singh

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SUMMARY

Backend Developer with 1+ years of experience building scalable, production-ready systems using Node.js, Express.js, MongoDB, Redis, Docker, and AWS. Strong in API performance optimization, microservices architecture, caching, and real-time system design. Seeking Backend/Node.js roles in high-growth product teams.

WORK EXPERIENCE

Mindnerves Technology

Feb 2025 – Present

Software Engineer

Pune, India

- Built backend modules for SmoochBox (US delivery platform) using Node.js, Express, MongoDB, and Redis.
- Optimized menu, cart, and checkout APIs, improving response time by 35%.
- Implemented geolocation and distance-based filtering for improved restaurant relevance.

SVAM International Inc.

May 2024 – Feb 2025

Software Engineer

Noida, India

- Developed backend features for a US entertainment booking platform.
- Improved API performance by 40% using advanced MongoDB indexing.
- Resolved critical production issues improving overall system stability.

EDUCATION

Babu Banarsi Das Northern India Institute of Technology

Jul 2020 – Jun 2024

Bachelor of Technology in Information Technology

Lucknow, India

PROJECTS

E-Commerce Backend (Microservices)

OpenAI Whisper, GPT API

- Developed microservices for Products, Cart, Orders, and Payments.
- Implemented Redis caching achieving 5–10x latency reduction.
- Built asynchronous workflows using RabbitMQ.

Logistics & Delivery Optimization System

Node.js, PostgreSQL, Redis, Mapbox

- Developed APIs for shipments, parcel tracking, and delivery ETA.
- Integrated Redis caching to improve response times 5–10x.
- Used RabbitMQ for async delivery events.

AI Music Recommendation Backend

Node.js, Python, MongoDB, AWS S3

- Built personalized recommendation engine combining metadata + user behavior.
- Designed secure upload system, playlist APIs, and search filters.

TECHNICAL SKILLS

Languages: C++, JavaScript (ES6+), TypeScript

Backend: Node.js, Express.js, REST APIs, JWT, Mongoose, Prisma/Sequelize (basic)

Databases: MongoDB, PostgreSQL, Redis

DevOps: Docker, Git, GitHub Actions, Postman, Nginx, CI/CD Pipelines

Messaging: RabbitMQ, Event-driven architecture

Cloud: AWS (EC2, S3)

Tools/Other: Swagger/OpenAPI, Jest/Supertest (basic testing)

Concepts: Microservices, System Design, Caching, Scalability Patterns