RAHUL CHOURASIYA
SOFTWARE DEVELOPER

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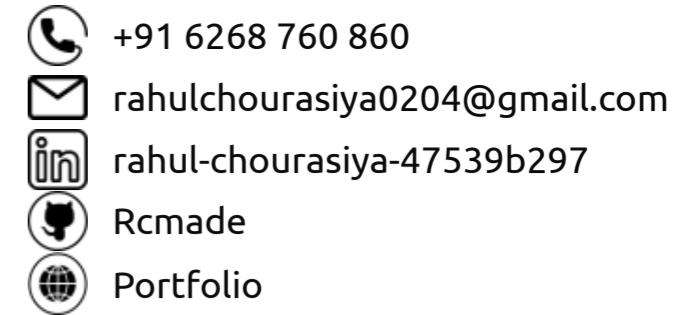
Summary

Backend Engineer (Node.js / Express.js) with 3+ years of experience building scalable, secure, and high-performance backend systems. Skilled in Node.js, Express.js, TypeScript, and modern API patterns (REST, GraphQL). Experienced in database design (PostgreSQL, MongoDB), real-time streaming, caching & performance optimization, and microservices architecture. Strong background in Dockerized deployments, CI/CD pipelines, and production monitoring & debugging.

Skills

Expert

- Node.js (Async patterns, Streams, Clustering)   Express.js   TypeScript
- REST API Design & Versioning
- Database Design & Optimization (PostgreSQL, MongoDB)
- SQL & NoSQL Data Modeling
- Unit & Integration Testing (Jest, Mocha, Supertest)
- Docker (Containerization & Compose)
- Version Control (Git, GitHub/GitLab)
- API Performance Optimization (caching, query tuning, pagination)

Proficient

- GraphQL (Apollo, schema design)
- Caching (Redis, in-memory LRU)
- Message Queues (RabbitMQ, Pub/Sub basics)
- Microservices & API Gateways
- CI/CD (Jenkins, GitHub Actions)
- Logging & Monitoring (ELK, Prometheus, Grafana, Sentry)
- Load Testing (k6, Artillery)
- Code Reviews & Agile Practices

Familiar

- Prisma / Sequelize / Mongoose
- AWS (EC2, S3, RDS, Lambda)
- Kubernetes (basic)
- Infrastructure as Code (Terraform basics)
- Feature Flags & Canary Releases
- Python (automation scripts)

Experience

● Backend Engineer | Dec 2024 – Jun 2025
ITSoftLab   On-site

Engineered backend services and APIs for **Mediscan Super Admin** — a healthcare appointment & payment management platform supporting multiple branches.

- Designed RESTful APIs in Express.js & TypeScript, serving 500+ daily users with 99.9% uptime.
- Optimized database queries and implemented Redis caching, reducing API response times by 25%.
- Developed secure payment workflows with Razorpay while maintaining PCI compliance.
- Implemented RBAC, input validation, and sanitization to protect against injection and other vulnerabilities.
- Automated unit and integration testing (Jest, Supertest) for key flows, reducing production bugs.
- Containerized services with Docker for reproducible environments and streamlined onboarding.
- Led backend code reviews, pair debugging, and post-mortems to improve system reliability.

● Backend & API Developer | Jan 2023 – Jun 2024
GoRack   Remote

Developed APIs, streaming services, and integrations for **IDCOLAB**, **NOON**, and **Replenish MD**.
- Engineered low-latency streaming APIs with HLS/DASH, improving playback reliability by 18%.
- Modeled relational & document databases (Postgres & MongoDB) for scalable content workflows.
- Implemented GraphQL endpoints, reducing client payloads by 30%.
- Integrated third-party APIs (payments, 3D rendering) with resilient error handling & retries.
- Automated CI pipelines with testing & linting to improve release reliability.
- Implemented distributed logging & tracing for production debugging and monitoring.
- Enforced API rate limits and input validation to improve service stability.

● Open Source Contributor | Jun 2025 - Jul 2025
Hono-Docs   Remote

Created **hono-docs** — tooling to auto-generate OpenAPI JSON from Hono.js routes.
- Implemented typed route parsing and JSON output generation to standardize API docs for Hono.js projects.
- Added example server integrations and CI checks to validate generated OpenAPI files in CI pipelines.
- Maintained package, triaged issues, and reviewed PRs to improve library stability and adoption.

Personal Projects

• RayAuth

OAuth2 + OpenID Connect authentication provider (Node.js backend, Next.js frontend).

- Designed and implemented OAuth2/OIDC flows and JWT lifecycle management using Node.js and Express.
- Reduced authentication latency by 15% via optimized token checks and efficient DB queries.
- Provided integration docs and SDK snippets for client apps to speed up onboarding.

• Busmate

Real-time college bus tracking (React Native mobile + React web dashboard).

- Implemented real-time location updates with WebSockets for 200+ students.
- Built a responsive React dashboard with live map integration and offline fallback for poor networks.

• Jenkins-AWS Pipeline

CI/CD workflow with tag-based deployments to AWS EC2 & ECR via Jenkins.

- Automated build, test, and deploy steps to ensure consistent releases and enable continuous deployment.
- Added automated rollback and health checks to reduce production downtime during failed deployments.

• Ray (CLI)

CLI tool for encrypted credential & snippet management.

- Secured developer credentials with AES encryption and robust key handling.
- Built test suites and publish automation to ensure package quality on release.

Educations

Bachelor of Science in Information Technology   Nov 2022 - Jul 2026 (Pursuing)
Malwa Institute Of Science & Technology
RGPV University

Higher Secondary (12th Grade)   Jun 2020 - Sep 2021
Ever Green English H.S. School
Indore, MP