

Gaurav Kumar

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SUMMARY

Backend Engineer with 3 years' experience building **scalable APIs** and **microservices** using **NestJS**, **node**, **express**, focusing on system design, third-party integrations, and deployment automation in healthcare and research domains.

EXPERIENCE

Software Engineer

Nov 2022 – Aug 2025

CognitiveClouds

Bengaluru, India (Remote)

- Designed and implemented backend features including payments, appointments, and participant timelines using webhooks, cron jobs, and a pub-sub architecture.
- Worked with frontend teams to design and integrate REST APIs for reliable data flow.
- Built custom cron-based modules for time-sensitive workflows with robust error handling.
- Led POC initiatives and owned multiple projects from system design to production deployment.

Teaching Assistant

May 2022 – Jul 2022

FunctionUp

Remote

- Reviewed and evaluated student backend projects with API design, and code quality.
- Mentored students by clarifying backend concepts.

WORK PROJECTS

Cadence

Play Store

- Built onboarding, CMS modules, scheduling, and telehealth workflows.
- Implemented video calls, audio transcription, and action scoring to support research analysis.
- Integrated BigQuery pipelines with client analysts for large-scale reporting.

SDG (Schweiger)

Play Store

- Developed a backend platform for SCIT, SLIT, and OIT therapies with questionnaires, medication tracking, symptom logs, and notifications.
- Implemented recurring subscription payments using the Square API.
- Built cron-based reminders and WebSocket chat; integrated ModMed for patient data.

Medlinks

Play Store

- Designed a modular healthcare backend with RBAC for clinicians, participants, and admins.
- Built scheduling systems and integrations for wearable data including glucose, weight, and vitals.
- Implemented aggregation APIs for historical health insights with HIPAA-compliant data handling.

PERSONAL PROJECT

Hanma

Website — Npm — GitHub

- Built an open-source backend snippet and template library inspired by shadcn/ui, focused on backend infrastructure and tooling.
- Provides production-ready templates for backend setup including frameworks, custom servers, and utilities such as CORS, Helmet, compression, logging, and error tracking.
- Supports Express, Hono, and Elysia, enabling full project scaffolding or standalone snippet integration into existing codebases.

TECHNICAL SKILLS

Frameworks / Libraries: Node.js, NestJS, Express, Hono, Sequelize, React (basic)

Backend Expertise: REST APIs, WebSockets, Pub/Sub, Redis, Queues (BullMQ), Cron Jobs, Caching

Developer Tools: Git, Docker, npm, Google Cloud Platform, Firebase, BigQuery

EDUCATION

Punjabi university

Patiala

Bachelor of Computer Statistics and Mathematics (CSM)

2016-2020