

# Kalash Thakare

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## PROFILE SUMMARY

Full Stack Developer specialising in TypeScript and Node.js, with good experience building production-grade APIs, distributed systems, and responsive frontends. Proven track record designing scalable architectures from role-based access control to real-time job queuing pipelines with a focus on clean code, maintainability, and shipping reliable software end-to-end.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Java, Python, HTML/CSS, SQL

**Technologies & Frameworks:** Node.js, Express.js, React.js, FastAPI, GraphQL, Socket.io, BullMQ, Sequelize

**Databases:** MongoDB, PostgreSQL, Redis, Supabase

**Developer Tools:** Git, Postman, AWS S3, Razorpay, Cloudinary, Zod

## PROFESSIONAL EXPERIENCE

### Backend Developer Intern

Mar 2026 – Present

Zigguratss

Remote

- Designed and implemented **GraphQL** resolvers and API architecture in **Node.js**, improving query efficiency and reducing over-fetching across core service endpoints
- Developed and improved backend functionalities, focusing on performance and reliability

### Full Stack Developer

Jan 2025 – Mar 2025

Code-Hunt

Nagpur, India

- Delivered the official website for a **national-level hackathon** end-to-end, collaborating with a cross-functional team under tight deadlines using Git-based workflows and code reviews

## PROJECTS

### CodeHealth-AI — Codebase Health & Developer Insights Platform

[\[Link\]](#)

**Tech Stack:** Node.js, Express, Python, FastAPI, BullMQ, Redis, Socket.io, Supabase

- Built a developer intelligence platform that analyses repository health and code quality on every push/PR, delivering real-time dashboards, **AI-powered refactoring recommendations**, and proactive debt alerts enabling teams to identify issues before code review
- Designed a distributed backend with **BullMQ + Redis** for async job queuing, integrated **FastAPI + Radon** for cyclomatic complexity scoring, and **Socket.io** for sub-second real-time updates via the **GitHub API**

### Cloud-Drop — Secure File Sharing Application

[\[Link\]](#)

**Tech Stack:** React, Node.js, Express, AWS S3, Razorpay

- Shipped a secure file-sharing SaaS with **time-limited signed URLs**, tiered subscription plans, and two-step email verification preventing unauthorised access at the access-control layer
- Integrated **AWS S3** for direct client uploads and signed URL generation, **Nodemailer** for transactional email flows, and **Razorpay** for end-to-end subscription billing with automated webhook handling

### Finance-RBAC — Role-Based Finance Backend API

[\[Link\]](#)

**Tech Stack:** Node.js, TypeScript, Express, Sequelize, PostgreSQL, Zod, Supabase

- Engineered a production-grade finance REST API in **TypeScript** with **role-based access control** (admin, analyst, viewer) enforced at middleware level, supporting session auth, rate limiting, soft delete with restore, and cursor-based pagination
- Implemented a layered architecture across routes, controllers, services, and models with centralised error handling, **Zod** schema validation, and a high-performance dashboard executing aggregation queries concurrently reducing response time under load

## EDUCATION

Shri Ramdeobaba College of Engineering and Management (RCOEM)

*B.Tech in Electronics and Computer Science*

Nagpur, India

**CGPA: 7.74** | 2023 – 2027

## CERTIFICATIONS & ACHIEVEMENTS

**SQL for Data Science** — Coursera

**LeetCode:** Solved **225+** **DSA problems** covering arrays, trees, graphs, and dynamic programming

**Open Source:** Active contributor to **Gitea** (Go) an open-source Git hosting platform

**Hackathon:** Won **1st place** in a hackathon