

Gaurav Kumar

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ABOUT ME

Experienced Backend Developer (5+ years) specializing in building scalable web applications using the **Express.js**, **React.js**, **Node.js** and **Next.js** stack. Proven track record in architecting, deploying, and maintaining cloud-based **SaaS** products. Demonstrates expertise in API development, microservices, and seamless front-end to back-end integration. Passionate about delivering robust solutions and driving projects end-to-end in agile, fast-moving environments.

EXPERIENCE

Twimbit

April 2020 - Present

API Lead

- Directed the development of a scalable **notification service** for Twimbit Vault using **RabbitMQ**, enhancing customer engagement and reducing system latency.
- Architected and implemented a **multi-tenant SaaS** platform using microservices, **Node.js**, Docker, and **AWS** (EC2, S3, RDS) to ensure secure, automated cloud deployment and operational efficiency.
- Led a team of 5 engineers to design and implement an **in-house CMS** with **Nextjs + GraphQL APIs (Node.js backend)** supporting **editor-based publishing workflows** for reports, actively used by ~1K users per tenant in production.
- Integrated **Salesforce CRM support** in Vault CMS to sync leads and contacts seamlessly across tenants and expose **GraphQL** endpoint to integrate them in chatbot.
- Developed a GraphQL-based data integration system that **optimise API performance** and minimised response times.
- Mentored junior developers by conducting code reviews and providing guidance on best practices in API design, microservices, and cloud deployment.

Twimbit

Jan 2020 - April 2020

Software Intern

- Contributed as a **Full Stack Engineer** by resolving front-end bugs, refactoring legacy components, and implementing new UI designs in **React** to enhance usability and aesthetic appeal.
- Implemented design improvements in React to boost user experience and maintain front-end consistency.
- Implemented an **Invitation service** using **Node.js** and **Express.js** that let's admin invite user to the platform via invitation link

BRIDGED MEDIA

Nov 2019 – Dec 2019

Software Development Engineer

- Migrated a legacy REST API to a GraphQL in **Nest.js** architecture to improve client-side data fetching and overall system performance by 35%.
- Implemented JWT-based authentication while integrating SQL (PostgreSQL) and NoSQL (MongoDB) databases to support diverse data models.
- Built a feature to **filter popular posts using view events**, improving content discovery and user engagement.

Vieuth™ - View of Youth

Oct 2019 - Nov 2019

Graphql API Developer

- Designed and developed a comprehensive full-stack web application using **MERN stack** to facilitate students' academic journeys, including task management and opportunities application.
- Architected the system using a **GraphQL API** to seamlessly connect various services, enhancing both functionality and interoperability.
- Implemented a **payment system with coins** awarded for task completion, allowing students to redeem later.
- Built a **reporting service** where mentors generate performance reports and students can create shareable report cards.
- Developed an **opportunities service** where admins create opportunities and track student submissions

Hajaam

Aug 2019 - Sep 2019

Back End Developer

- Developed and maintained backend for a **salon appointment booking platform**, allowing users to schedule services and receive automated calendar invites.
- Implemented **rating and review system** for completed jobs, enabling filtering of top salons based on popularity.
- Built REST APIs in **Node.js & Express.js** with TDD achieving 99.9% test coverage, reducing production bugs.
- Automated AWS deployments with CI/CD, improving release speed by 30%.

Young Engine™

Apr 2019 - Jul 2019

Full Stack Engineer

Engineered a full stack application enabling students to apply for tasks and allowing companies to post short-term tasks, incorporating a wallet system for rewards upon task completion.

- Implemented key features including company task creation and verification, student task submission, reward allocation upon acceptance, cookie-based authentication, and student profile management with resume generation.
- Utilized the MERN stack to develop a robust application with integrated authentication mechanisms.

PROJECTS

AI-Powered Shopping Assistant (Next.js + Gemini API + Node.js)

[\(Demo\)](#)

- Created a shopping assistant prototype using **Next.js** and **Vercel AI SDK** to fetch product catalogues via **APIs** and display them in a conversational interface.
- Enabled users to browse products, add them to a cart, and simulate checkout flow.
- Integrated Gemini-powered natural language search to let users query products conversationally (e.g., “show me budget-friendly laptops”).
- Focused on frontend UI/UX with **Next.js + React**, including product cards and cart management.
- Served as a demo application showcasing how AI tools + **Next.js** can power modern shopping experiences.

Crypto Wallet with MetaMask Integration (Next.js + Web3.js + Node.js)

[\(Demo\)](#)

- Built a crypto wallet application with MetaMask integration in **Next.js**, enabling users to connect their wallet and **send test ETH** on Ethereum test networks (**Sepolia**).
- Implemented a transaction history dashboard showing all transfers in a tabular format, linked to the connected wallet address.

EDUCATION

Guru Gobind Singh Indraprastha University
Bachelor of Technology (B.Tech.), Computer Science

2016-2020

SKILLS

- **Languages:** Javascript, Typescript, Nodejs, Python
- **Backend:** GraphQL REST API, ExpressJs
- **DevOps & Cloud:** AWS (EC2, S3, RDS), Docker, CI/CD, Github Actions
- **Databases :** PostgreSQL, MongoDB, MySQL
- **Tools:** Git, Postman
- **Other:** JWT, SaaS Multi-tenancy, Microservices Architecture