

ANURAG SINGH

Software Engineer | AI & Backend Engineer | Full Stack Developer

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PROFESSIONAL SUMMARY

Software Engineer with 3.5+ years of experience building scalable backend systems, AI-powered applications, and cloud-native applications. Experienced in **Python, JavaScript, TypeScript, Node.js, MongoDB, AWS**, and **REST APIs**, with hands-on work integrating **LLMs** through **Google Gemini APIs**. Strong background in designing high-performance **NoSQL** architectures, production deployments, and solving complex business problems. Passionate about **semantic search, retrieval-augmented generation (RAG), vector databases, AI agents, and distributed systems**.

WORK EXPERIENCES

Software Engineer | Full-time

Jul 2023 - Present

Modern Techserv Private Ltd. (OneChanneladmin)

Remote • United States

- Owned and **shipped multiple production features** for a multi-tenant **e-commerce logistics platform**, serving enterprise clients.
- Designed and **optimized scalable REST APIs** for order processing and catalog workflows, **enhancing system reliability** and **reducing API latency** through data model optimization and query performance improvements.
- Collaborated cross-functionally with engineering and product teams to deliver end-to-end features, from technical design to production deployment.
- Enhanced monitoring and debugging workflows using structured logging and observability tools, **boosting system stability** in high-volume transaction environments.
- Influenced architectural decisions that **increased platform speed by 30%**.

Technologies / Skills Used : Python, JavaScript, Node.js, MongoDB, AWS

CTO | Full-time

Jul 2022 - Apr 2023

Ayur Healthcare Private Limited

Rewa, India

- Directed the **technical strategy** and **product engineering** for a full-stack healthcare platform, emphasizing **real-time appointments**, clinic workflow automation, and secure patient-doctor communication.
- Architected scalable backend services and authentication flows using **Node.js, Express.js**, and **MongoDB**; implemented **real-time updates** with **WebSockets**.
- Managed end-to-end product development from ideation to production deployment, leading a small engineering team utilizing agile methodologies.
- Achieved recognition as a **Top 15 Startup** by the Government of Uttar Pradesh (**Rise Jhansi Hackathon**) and secured a ₹1 Lakh government grant for healthcare technology innovation.

Technologies / Skills Used : Node.js, Express.js, MongoDB, Web-Sockets

Full Stack Developer Intern | Internship

Oct 2022 - Dec 2022

Sortwind Private Limited

Delhi, India

- Developed** and maintained **MERN stack applications** in a collaborative environment, contributing to code reviews and sprint planning.
- Integrated** backend APIs and optimized server-side logic, enhancing system accuracy and boosting application performance.
- Facilitated** testing, debugging, and production deployments using **Postman, Git**, and **AWS**, That led to 20% faster deliveries of projects.

Technologies / Skills Used : MERN, Postman, Git, AWS

PROJECTS

AI Cancer Diagnose |  Github2023 - Present

AI-Powered Diagnostic Tool

- Designed an **AI-driven diagnostic tool** integrating **Google Gemini API** to enable dynamic clinical question flows and automated risk analysis for **early cancer detection support**.
- Engineered backend validation logic, secure data handling, and API orchestration, demonstrating proficiency in complex system design and third-party AI API integration.

Technologies / Tools Used : Google Gemini API, Node.js, React, MongoDB

Ayum App2022 - 2023

Full-Stack Healthcare Platform

- Built a **full-stack healthcare platform** supporting real-time appointments, clinic workflow automation, and secure patient–doctor communication using the **MERN stack** and **WebSockets**.
- Implemented scalable backend services, JWT-based authentication flows, and real-time event-driven updates; deployed on **AWS** with **CI/CD pipeline** integration.

Technologies / Tools Used : MERN, WebSockets, AWS

SKILLS

Databases :	MongoDB, PostgreSQL, MySQL, NoSQL Database Design, Query Optimization
Frameworks & Libraries :	React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap
Programming Languages :	Python, JavaScript, TypeScript, SQL, C/C++
Soft Skills :	Agile/Scrum, Distributed Systems, System Design, Code Reviews, Git, Debugging
Tools & Platforms :	Node.js, Express.js, REST APIs, Authentication & Authorization, WebSockets, API Design, AWS, Docker, Linux, CI/CD (GitHub Actions, GitLab CI)

EDUCATIONS

Jawaharlal Nehru College of Technology Rewa, RGPV | Rewa, IndiaAug 2019 - Jun 2023

B.Tech. in Computer Science and EngineeringCGPA : 8.7/10

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Databases, Operating Systems, Computer Networks, Machine Learning, Data Mining, Discrete Mathematics, Information Retrieval, Image Processing

AWARDS & ACHIEVEMENTS

- Selected among top startups by the Government of Uttar Pradesh at the **Rise Jhansi Hackathon** for Ayum Healthcare innovation.
- ₹1 Lakh Government Grant — Awarded by Dr. Mohan Yadav, Chief Minister of Madhya Pradesh, for excellence in healthcare technology innovation.

CERTIFICATIONS