

GAURAV RAJ

Software Engineer | Backend Engineer | Distributed Systems | Cloud & AI Applications

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SUMMARY

Software Engineer with 2+ years of experience building scalable backend systems using .NET 8, Kafka, PostgreSQL, Docker, and Kubernetes (AKS). Experienced in distributed systems, microservices architecture, REST APIs, cloud-native development, and building enterprise AI applications including RAG systems and LLM-powered automation.

SKILLS

Languages: C#, Python, JavaScript | **Systems & Engineering:** OOP, Design Patterns, Scalable Systems | **Web & Backend:** ReactJS, FastAPI, Node.js, REST APIs, ASP.NET Core, Microservices, gRPC | **Databases:** PostgreSQL, MongoDB, SQL

Cloud & DevOps: Docker, Kubernetes, Azure AKS, CI/CD, GitHub Actions | **AI & Observability:** RAG, NL-to-SQL, AI Agents, LLM Integration, Natural Language Processing (NLP), Prometheus, Postman

EXPERIENCE

Honeywell - Software Engineer I

Aug 2024 - Present

- Developed a Windows-based .NET 8 deployment and configuration automation platform adopted across 50+ hospital and nursing home networks, reducing installation time from about 2 hours to 40 minutes.
- Designed and implemented RESTful APIs and gRPC services in C#.NET 8 connecting ReactJS WebUI to backend analytics services; supported customer-facing healthcare dashboards with customisable KPIs and real-time operational insights.
- Built Kafka-based orchestration pipeline; improved system availability by over 40% using zero downtime updates and self-diagnostics for message queues.
- Built an on-prem RAG chatbot using 7-15B LLMs with less than 5s average response time; fully air-gapped and privacy-first, adopted by 150+ field engineers for guided system installations.
- Collaborated on an NL-to-SQL analytics engine using Python, FastAPI, and PostgreSQL NurseCall KPI data, enabling non-technical users to generate reports through natural language queries; awarded Drive Accountability Culture Bronze Award.
- Integrated MCP tooling including GitHub MCP, Atlassian Jira MCP, and Playwright MCP for AI-assisted developer workflows and test automation.
- Reduced software release cycle by 50% and cut manual deployment effort by 60%, saving about 80 engineer hours/month - awarded WIN Together Bronze Award.
- Leveraged AI tools, GitHub Copilot and Claude Code to accelerate backend development, debugging, write unit tests, code reviews and engineering workflows across distributed systems projects.

Honeywell - Bachelor Intern Software Engineer

Jan 2024 - Jul 2024

- Contributed to AKS backend scaling and reliability improvements for high-concurrency workloads handling 1M+ daily requests via Docker + AKS optimization - awarded Dashing Debut Award.
- Built Prometheus dashboards to monitor and provide support for 5+ distributed microservices.
- Resolved critical production incidents in WPF-based frontend and backend workflows; contributed to CI/CD automation using GitHub Actions.

Corizo - Web Development Intern

Feb 2023 - May 2023

- Built a full-stack real-time social media web application using Node.js, MongoDB, HTML, CSS, and JavaScript with responsive UI, backend REST APIs, and Git-based CI/CD workflows.

EDUCATION

SRM Institute of Science & Technology | B.Tech CSE - Software Engineering | CGPA: 9.44

2020 - 2024

Chinmaya Vidyalaya, Bokaro Steel City | 12th - PCM with Computer Science | 72.80%

2018 - 2020

DAV Public School, Bokaro Steel City | 10th - PCM with Computer Science | 94.00%

2017 - 2018