# GAURAV RAJ

Software Engineer | Distributed Systems | Cloud-Native Backend

📞 +91 8969786627  •  📍 Bengaluru, India  •  🌐 linkedin.com/in/gaurav-raj-405a96237/  •  ✉ graj.work2706@gmail.com

## ABOUT ME

https://portfolio.gaurav-raj.in/

Software Engineer with experience building distributed, cloud backend systems deployed across large-scale enterprise environments. Proven ability to own features end to end from system design to production monitoring to writing documents and delivering high reliability services used in mission critical healthcare deployments. Strong expertise in .NET, Kubernetes, and deployment automation, with demonstrated impact in reducing release time, improving system reliability, and scaling systems to handle 10k+ concurrent users and 1M+ requests. Passionate about building resilient, systems that scale globally.

## EDUCATION

**SRM UNIVERSITY, KATTANKULATHUR, CHENNAI**
B.Tech in CSE with specialization in Software Engineering        - 9.44 CGPA                2020-2024

**CHINMAYA VIDYALAYA, BOKARO STEEL CITY**
12th in PCM with Computer Science        - 72.80 %                2018-2020

**DAV PUBLIC SCHOOL, BOKARO STEEL CITY**
10th in PCM with Computer Science        - 94.00 %                2018-2020

## SKILL

- Languages: C++, C#, Python
- Backend & APIs: .NET 8, REST, gRPC, Windows Services
- Databases & Messaging: MongoDB, SQL, Apache Kafka
- Distributed Systems: Microservices, Event-driven Architecture, Kafka, Service Orchestration
- Cloud & DevOps: Azure (AKS), Docker, Kubernetes, Github Actions
- Engineering: System Design, Multithreading, Fault Tolerance, High Availability, Observability

## WORK EXPERIENCE

**Honeywell – Software Engineer I**                                **AUG, 2024–NOW**

Delivered multiple production releases, owning development lifecycle from requirements, design, implementation, release & post-production debugging, earning Honeywell's WIN Together Bronze Award.

- Built a distributed deployment platform using .NET 8, automating 60% of workflows and reducing release time by 50% across enterprise hospital environments.
- Implemented secure communication pipelines using Keycloak SSO, uniform IPC protocol & Kafka message queues improving system availability, security and reliability to over 80%.
- Reduced manual deployment effort by 60%+ and cut release time by 50% through automation of dependency resolution, configuration management, and rollback strategies.
- Handled production triage and incident response, performing root cause analysis across distributed systems.
- Designed and implemented distributed orchestration for PostgreSQL and Kafka Message queues, multi - threading for micro services, while handling installation sequencing and dependency resolution.
- Built self healing deployment workflows with retries, rollback, and diagnostics, improving reliability of field deployments in mission-critical healthcare systems.

**Honeywell – Bachelor Intern Software Engineer**                    **JAN, 2024 – JUL, 2024**

- Scaled a cloud-hosted platform from 1k concurrent users - 90% failure rate to 10k+ concurrent users with less than 3% error rate, handling 1M+ requests, using Azure Kubernetes Service (AKS) and Docker.
- During Team code reviews, suggested Industry standards components across UI (WPF/XAML), Company Runbooks for reducing system bottlenecks , services, and data pipelines, enabling successful rollouts.
- Contributed to modern containerized infrastructure improving system stabilization and maintainability, receiving Dashing Debut Award for high ownership and rapid impact.
- Monitored web application reliability using Prometheus and Grafana metrics dashboard.

**Corizo - Web Development Intern**                                **FEB, 2023 – MAY, 2023**

- Built a real-time social platform using PHP, gaining early experience in backend development and deployment workflows.