Gagan Deep Reddy Reddivari

Senior Full Stack Developer | **Location:** Bloomington, IL | **Phone:** +1(309) 261-6120 | **Email:**
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EXECUTIVE SUMMARY

Accomplished Senior Full Stack Developer with over **7 years of hands-on experience** (approaching 8 years) designing and deploying high-performance, Java-based enterprise solutions and microservices. Expert in architecting resilient cloud-native applications across **AWS, GCP, and Azure**, with specialized expertise in **Golang**, **React 18**, and **Generative AI integration**. Proven track record of reducing deployment times by **60%** and optimizing system throughput through advanced system design and CI/CD automation.

TECHNICAL SKILLS

Category	Technical Proficiencies
Backend & Languages	Java (Spring Boot/Cloud/MVC), Golang (Gin, Echo, gRPC), Python, TypeScript, JavaScript (ES6+)
Frontend & UX	React 18 (Hooks, Context/Redux, React Query), Angular, HTML5, CSS3
AI & LLM Integration	LangChain, LangSmith, AWS Bedrock, Vector Databases (Pinecone, FAISS, Weaviate), GenAI
Cloud & DevOps	AWS (Lambda, RDS, S3), GCP (Pub/Sub, Functions), Azure, Docker, Kubernetes, Terraform, Jenkins
Databases	PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB, Redis

PROFESSIONAL EXPERIENCE

Hyundai America Technical Center, Inc. MI,USA | Senior Full Stack Developer | Apr 2025 – Present

- **System Design:** Architected a decoupled microservices ecosystem using **AWS Lambda and API Gateway** to manage high-concurrency vehicle personalization requests, ensuring sub-second response times across North America.

- **Technical Leadership:** Directed technical mentorship and established peer code review standards for the engineering team, accelerating the onboarding of new developers by 25% while maintaining strict adherence to clean architecture principles.

- **Performance Optimization:** Productionized high-concurrency **Golang** services utilizing worker pools and back-pressure to optimize throughput for 2,000+ API requests per hour.

- **Frontend Modernization:** Built responsive, accessible Driver Profile and Remote Feature views using **React 18** (Hooks, Context, React Query) for vehicle personalization.

- **DevOps Efficiency:** Automated CI/CD pipelines with **Jenkins and Docker**, reducing deployment time by **60%** with a zero-rollback production record.

- **Tech Stack:** Java, Spring Boot, Golang, React 18, TypeScript, AWS (Lambda, API Gateway), PostgreSQL, Docker, Jenkins.

ABCD, USA | Full Stack Developer | Feb 2024 – Mar 2025

- **System Design:** Designed a scalable multi-tenant data ingestion pipeline that harmonized structured CRM metadata with unstructured social media feeds, optimizing cross-channel feedback analysis for B2B clients.

- **Hybrid Data Strategy:** Architected a hybrid storage solution with **AWS RDS** for metadata and **DynamoDB** for unstructured feedback, optimizing analytics for automotive OEMs.

- **Infrastructure as Code:** Deployed daily across multi-cloud environments using **GitHub Actions, Docker, and Terraform**.

- **Reliability:** Developed 200+ **JUnit and Karate** tests, slashing QA cycle times and ensuring resilient service delivery monitored via **Grafana and Prometheus**.

- **Tech Stack:** Java, Spring Boot, Spring Cloud, React.js, AWS (RDS, S3, DynamoDB), Terraform, GitHub Actions, Karate.

Tata Consultancy Services, India | Lead Software Engineer | Oct 2021 – Dec 2023

- **System Design:** Orchestrated a resilient, event-driven appointment scheduling system leveraging **GCP Pub/Sub and Cloud SQL** to handle real-time concurrency and minimize resource contention during peak traffic.

- **AI Integration:** Integrated **GenAI APIs** to automate proactive patient notifications for rescheduling via GPT-crafted alerts.

- **Performance:** Developed caching strategies using in-memory stores to minimize API response times for frequently accessed endpoints.

- **Tech Stack:** Java, Spring Boot, MySQL (Cloud SQL), GCP (Pub/Sub), GenAI APIs, RESTful APIs, JWT, JUnit.

Infobell IT, India | Software Engineer | Dec 2019 – Aug 2021

- **System Design:** Built a distributed workflow orchestration engine for healthcare claim pre-authorizations, utilizing **GCP Functions** to trigger automated validation rules based on payer policies.

- **Data Enrichment:** Utilized internal **LLM setups** for auto-classifying and enriching claim data for faster provider approvals.

- **Tech Stack:** Java, Spring Boot, GCP Functions, Firestore, Pub/Sub, REST APIs, OAuth2, Cloud Monitoring.

Wipro, India | Software Engineer Intern | Jan 2018 – Nov 2019

- **Full Stack Support:** Contributed to the **Spring Boot** backend and **React.js** frontend of an internal IT asset tracking portal.

- **Cloud Integration:** Managed employee profiles using **Azure SQL Database** and assisted in backend deployments to **Azure App Service**.

- **Tech Stack:** Java, Spring Boot, Azure App Service, Azure SQL Database, React.js, HTML, CSS, JavaScript.

EDUCATION

Master of Science in Computer Science | University of Illinois Springfield | May 2025