

Sathvik Reddy Gutha

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Summary

Software Engineer with **3+** years of experience building scalable **Java**, **React**, **iOS** and **TypeScript** applications using **Spring Boot**, **React/Angular** and **AWS/Azure** cloud platforms. Strong background in microservices architecture, **REST/GraphQL** APIs, and distributed systems design. Experienced working in Agile teams to deliver reliable, production-grade solutions with optimized performance across **relational** and **NoSQL** databases including **MySQL** and **MongoDB**.

Technical Skills

Languages: Java, Python, SQL, JavaScript, TypeScript, C, C++, Groovy, Bash, Swift, Scala

Frameworks: React.js, Angular, Node.js, Express.js, Spring Boot, REST APIs, HTML5, CSS3, Bootstrap, SwiftUI

Devops: AWS, GCP, Azure, Docker, Kubernetes, Jenkins, Maven, Git, IntelliJ, Eclipse, VS Code, Linux, Ansible, Kafka, Flink, GraphQL, Terraform, Prometheus, Jira, Confluence

Data/Tools: MySQL, PostgreSQL, MongoDB, DynamoDB, JUnit, JSUnit, Mockito, Selenium, Postman

Experience

Software Development Engineer

Dec 2024 – Present

Amazon (AWS Directory Service, IAM)

Seattle, WA

- Migrated **5+ AWS Directory Service** components across distributed environments from **IAM** user long-lived access keys (Odin) to **IAM role-based** STS authentication (Turtle), eliminating static secrets and reducing credential exposure risk by **99.95%**.
- Integrated an **RAG** engine using **AWS Bedrock** into the **Q CLI** tool, enabling semantic search across **10,000+** engineering documents and reducing investigation time by **60%** through automated, context-aware responses.
- Designed and implemented automated validation to ensure logs from **77+ APIs** were correctly delivered to **CloudTrail**, adding integration tests that detect missing events and trigger compliance violation tickets.
- Built an **AI-powered on-call** assistant using **AWS Bedrock** and **LangChain** that ingests runbooks and **CloudWatch** logs at alert time, providing ranked root-cause hypotheses and reducing **MTTR** by **40%**.

Tech Stack: *Java, Python, Ruby, Spring Boot, AWS (IAM, STS, DynamoDB, S3, SQS), Containerized Services (EC2/EKS), CI/CD (GitHub Actions), Kafka, REST APIs, CloudWatch, MCP, RAG, LLMs, chatbots, AWS Bedrock*

Software Development Engineer

Aug 2023 – May 2024

Kroger

Dallas, TX

- Designed and developed secure, scalable microservices using **Java 17**, **Spring Boot**, **Node.js** and **RESTful APIs**, implementing **OAuth2** and **JWT** for robust authentication and authorization across services.
- Designed distributed data workflows with **Kafka** and **Spring Batch**, improving system throughput and reliability.
- Improved query performance by **25%** in **MongoDB** and **MySQL** by tuning indexing strategies and leveraging aggregation pipelines and optimized query plans for large datasets.
- Deployed microservices on AWS using **EKS**, **EC2**, **Docker** and **Azure (App Services)**, integrated **SQS** for messaging, **RDS** for storage, Elasticsearch for observability and automated **CI/CD** with Jenkins & Terraform.

Software Engineer

Aug 2021 – Aug 2022

Accenture

Hyderabad, India

- Developed a **full-stack** web application using **React.js**, **JavaScript (ES6)**, and **Java Spring Boot microservices**, improving frontend performance by **30%** through code **splitting** and **lazy loading**.
- Built and integrated RESTful APIs, **GraphQL**, and **Elasticsearch** to enable scalable and efficient communication.
- Deployed microservices on AWS using **EC2**, **Kubernetes (EKS)**, **API Gateway**, **Lambda**, **S3**, and **CloudWatch**, and configured real-time monitoring with **Grafana** dashboards.
- Optimized data workflows using **Oracle (PL/SQL)** and **MongoDB**, and automated **CI/CD** with **Docker** and **AWS CodePipeline**, reducing deployment time by **25%**.

Software Engineer Intern

Jan 2021 – June 2021

SonicWall

Bengaluru, India

- Developed and maintained enterprise web modules using **Java Spring Boot** for backend services and **Angular** for **frontend UI**, improving code modularity and page responsiveness.
- Designed **RESTful APIs** and implemented data persistence with **PostgreSQL**, writing optimized queries, views, and indexes to handle large datasets with improved performance.
- Practiced **Test-Driven Development (TDD)** using **JUnit** and **Mockito** to ensure code reliability and maintainability within an **Agile** development lifecycle.
- Implemented caching with **Redis** to reduce database load, improve **API response** times, and enhance performance.

Education

Master of Science in Computer Science | University of North Texas, TX

Aug 2022 - May 2024

Bachelor's in Information Technology | Jawaharlal Nehru Technological University

June 2017 - July 2021