

Ganesan S

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TECHNICAL SUMMARY

- **Software Engineer** with **5 years** of expertise in **Java**, **Spring Boot**, and **cloud-native systems**, specializing in **high-performance microservices**, **RESTful APIs**, and **database optimization**. Proven success in modernizing legacy platforms (e.g., **40% faster query performance**), automating critical workflows (e.g., **50% faster insurance claims**), and designing scalable solutions using **Apache Kafka**, **AWS**, and **Azure**. Passionate about **Agile collaboration**, **HIPAA-compliant systems**, and translating technical innovation into measurable business impact, such as **15% user engagement growth** and **30% latency reduction**.

TECHNICAL SKILLS

Languages: Java 8+, Python, JavaScript (ES6+), SQL

Backend: Spring Boot, RESTful APIs, Hibernate, Apache Kafka, Django, Node.js

Cloud: AWS (Lambda, RDS, DynamoDB), Azure, GitHub Actions, Docker, CI/CD

Databases: MongoDB, Redis, PostgreSQL, SQL Server, NoSQL optimization

Practices: Agile, TDD/BDD, Event-Driven Architecture, HIPAA Compliance

PROFESSIONAL EXPERIENCE

Maxil Technology Solutions

May, 2024 — Present

Software Engineer

Oak Brook, IL

Product Description: Job Board for contract IT roles

- Engineered a **real-time clickstream analysis microservice** using **Apache Kafka** and ReactJS, processing **10K+ events/day**, leading to a **15% increase in user engagement** and job posting views.
- Optimized database performance by implementing caching and indexing on **AWS DynamoDB/RDS**, reducing **Time to First Byte (TTFB)** by **30%**.
- Automated deployments using **GitHub Actions**, achieving **zero-downtime releases** for customer-facing applications.

BestRx Pharmacy Software

Aug, 2023 — Apr, 2024

Full Stack Engineer

Oak Brook, IL

Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- Built a **RESTful API** with **Spring Boot** and **Hibernate** to track prescription transfers, improving **patient compliance** by **25%** and reducing manual follow-ups by **40%**
- Automated insurance claims processing using **Java thread pooling**, accelerating reimbursements by **50%** and ensuring **HIPAA compliance** for **100K+ monthly transactions**.
- Enhanced drug safety by developing a **JavaFX** interface linked to **SQL databases**, reducing prescription errors by **20%** through real-time **Medi-Span data** integration.

Autoreview.ai

May, 2022 – Dec, 2022

Software Engineer Intern, AI/ML

Gainesville, FL

Product Description: Document Manager for Construction Companies

- Engineered a **geospatial microservice** using **PostGIS** and **Google Maps APIs**, identifying flood-prone construction sites with **95% accuracy** and reducing project delays by **30%**.
- Developed an **NLP-driven regulatory report generator** with **TensorFlow** and **Redis**, achieving **92% accuracy** and cutting manual review time by **15 hours/week**.
- Streamlined product subscription handling through a **RESTful microservice** that securely generates license keys using **AES encryption**, and manage their lifecycle transitions using **Django and MongoDB**.

Infosys

Jul, 2018 – Jul, 2021

Software Engineer

Chennai, India

Product Description: Information System for Subsidized Housing

- Migrated legacy **Oracle/MS SQL databases** to **Azure SQL Server**, improving query performance by **40%** and enabling scalability for **500K+ subsidized housing records**.
- Automated **96 SSRS reports** and built **22 Power BI dashboards**, reducing data analysis time by **25%** for property management teams.

EDUCATION

University of Florida

Aug, 2021 – May, 2023

Master's of Science in Computer Science

Gainesville, Florida