GANESAN S

(630) 791-0656 | WA, United States | s.ganesan@myyahoo.com | linkedin.com/in/ganesansantha77| github.com/Ganesh96

PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience architecting cloud-native, AI/ML-integrated systems. Expertise in **Java/Python microservices**, **applied AI product deployment**, and **multi-cloud optimization** (AWS/Azure). Proven track record of driving scalability, security, and performance in enterprise applications.

EDUCATION

University of Florida – Master's in Computer Science   GPA: 3.61/4.00   *Aug 2021 – May 2023*
SRM University, India – Bachelor's in Computer Science   CGPA: 8.844/10   *July 2014 – May 2018*

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, JavaScript (ES6+), TypeScript
Backend & AI/ML: Spring Boot, TensorFlow, RESTful APIs, Hibernate, Apache Kafka, GloVe NLP, Redis VectorDB, Design Patterns (Circuit Breaker, CQRS)
Cloud & DevOps: AWS (DynamoDB, RDS, S3, EC2), Azure (SQL Server, VMs, Blob Storage), CI/CD
Databases: MongoDB, PostgreSQL, SQL Server, Neo4j, Oracle
Security & Tools: SAML/OAuth, AES-256 Encryption, Active Directory, ReactJS, Node.js, Django, PostGIS, Splunk

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Oak Brook, IL   *May 2024 – Present*
Product Description: Job Board for contract IT roles

- Engineered a **clickstream analysis microservice** using **Java, Apache Kafka, and ReactJS**, processing 50K+ user interactions daily to boost job posting views by **15%**.
- Reduced **Time To First Byte (TTFB) by 20%** by optimizing **AWS DynamoDB/RDS** with query caching, stored procedures, and indexing strategies.
- Designed a **GraphDB-powered referral system** on AWS ECS using **Neo4j**, modeling candidate networks to drive high-quality referrals.

BestRx Pharmacy Software | Full-Time | *Full Stack Engineer* | Oak Brook, IL   *Aug 2023 – Apr 2024*
Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- Built a **RESTful Backend-as-a-Service (BaaS) API** with **Java Spring Boot and Hibernate**, streamlining prescription transfer tracking and improving compliance by **30%**.
- Accelerated insurance reimbursements by **25%** via a **thread-pooled Java service** that automated claims processing while ensuring **HIPAA compliance**.
- Delivered real-time drug safety data at point-of-sale using **JavaFX and SQL Server**, integrating Medi-Span® datasets for 10K+ daily transactions.

Autoreview.ai | Intern | *Software Engineer Intern, AI/ML* | Gainesville, FL   *May 2022 – Dec 2022*
Product Description: Document Manager for Construction Companies

- Produced **92%-accurate regulatory reports** by engineering a **TensorFlow NLP microservice** with GloVe embeddings and a **Redis VectorDB** for semantic search.
- Reduced flood-risk analysis latency by **40%** using **PostGIS spatial indexing** and **Google Maps APIs** in NodeJS/ReactJS workflows.
- Automated license key lifecycle management via a **Django microservice** with AES-256 encryption, handling 500+ subscriptions monthly.

Infosys | Full-Time | *Software Engineer* | Chennai, India   *Jul 2018 – Jul 2021*
Product Description: Information System for Subsidized Housing Projects

- Migrated **Oracle/MS SQL Server 2005** databases to **Azure SQL Server 2017**, optimizing query performance by **35%** and enabling real-time analytics.
- Designed **22 Power BI dashboards** with SQL Server Integration Services (SSIS), enhancing data visibility for 15+ housing projects.
- Engineered **20+ parameterized stored procedures** and **SQL Server Integration Services (SSIS)** packages to automate data ingestion from 3rd-party APIs, reducing manual ETL efforts by **30 hours/month**.