GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5 years of experience building scalable, cloud-native applications with creative and sophisticated approaches such as Event-Driven Design, Microservice Architecture, and AI/ML.

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, JavaScript (ES6+), TypeScript, C/C++
Backend Development: Spring Boot, RESTful APIs, Microservices, Hibernate/JPA, GraphQL
Cloud & DevOps: AWS (S3, Lambda, RDS, ECS, EC2, SQS, CloudWatch), Azure (VMs, SQL, Blob Storage), Docker
Frontend Development: HTML5, CSS3, ReactJS
Databases & Data Tools: PostgreSQL, Oracle, Neo4j, Apache Kafka, Pandas/NumPy, Parallel Computing

WORK EXPERIENCE

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

- Led feature development of a machine learning-driven job recommendation engine using **spaCy NLP and AWS EC2**, optimizing skill/job matching via **PostgreSQL + pgvector to drive a 22% increase** in application conversions.
- Architected a **graph-based candidate referral system using Neo4j on AWS ECS**, improving referral quality by 25% for enterprise-scale hiring platforms.
- Engineered a **low-latency clickstream analysis microservice (Apache Kafka, Python/Pandas)** processing **10M+** daily events, boosting job views by 15%.
- Optimized **AWS RDS/DynamoDB performance by 30% via parallel computing** and caching strategies for high availability systems.

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)

- Led development of a **HIPAA-compliant prescription tracking system (Java Spring Boot, ReactJS)**, ensuring audit readiness for regulated industries.
- Accelerated insurance claims processing by 40% using Java thread pooling, enhancing revenue recovery and compliance.
- Built a **.NET service integrating SQL databases with Medi-Span® drug safety data**, delivering real-time insights to patients at high scale **(1M+ monthly transactions).**
- Designed **RESTful APIs** for inventory management with **99.9% uptime**, integrating SQL Server & Medi-Span® API.

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

- Designed a **regulatory compliance microservice using TensorFlow and Redis VectorDB** to generate regulatory reports with 92% accuracy, leveraging NLP sentence embeddings for real-time insights.
- Engineered geospatial data workflows with **PostGIS and Google Maps APIs**, processing gigabyte-scale **GIS datasets for flood-risk analysis.**
- Automated license key generation with **AES encryption (Django/MongoDB), reducing manual effort by 70%** for secure enterprise deployments.

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

- Built functionality, provided long-term development support, and enhanced system reliability for property and contract management modules using WPF .NET Framework 4.7.2 and C# 6.0
- Spearheaded 22 Power BI dashboards and resolved 96 SSRS reports for real-time analytics, supporting data-driven enterprise decisions.
- Migrated legacy Oracle/MS SQL systems to Azure SQL Server, enabling scalability for 50K+ concurrent users in large scale subsidized housing platforms.