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, SQL
Backend Development: Spring Boot, RESTful APIs, Microservices, Hibernate/JPA, Kafka, Node.js
Cloud & DevOps: AWS (S3, Lambda, RDS, ECS, EC2, SQS, CloudWatch), Azure (VMs, SQL, Blob Storage), Docker
Frontend Development: ReactJS, HTML5, CSS3, Angular (learning)
Databases & Data Tools: PostgreSQL, MongoDB, Oracle, SQL Server, DynamoDB, Apache Kafka, Jenkins, Selenium (basic)

WORK EXPERIENCE

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

- **Led migration of on-premises job board systems to AWS/Azure**, designing Kafka-driven event pipelines to process 10M+ daily events, reducing latency by 30%.
- **Architected a microservices-based referral engine** using Neo4j and AWS ECS, improving enterprise hiring efficiency by 25%.
- Led **Pioneered CI/CD workflows** with GitHub Actions, automating deployments for high-availability systems.
- Engineered a **real-time clickstream analysis system** (Celery, MongoDB) to process 10M+ daily events, optimizing auto-scaling rules for cost-efficiency.

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

- **Modernized pharmacy management systems** using Java Spring Boot and ReactJS, ensuring HIPAA compliance for 1M+ monthly transactions.
- **Accelerated insurance claim processing by 40%** via thread-pooled Java services, boosting revenue recovery.
- **Integrated SQL Server with Medi-Span® APIs** for real-time drug safety alerts, enhancing patient outcomes.

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.
- Partnered with analytics engineers to design geospatial workflows (**PostGIS, Google Maps APIs**) for real-time flood-risk visualization.
- Created a **secure license management microservice** (Django, AES encryption) to streamline product subscriptions, ensuring compliance and scalability.

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**.
- Delivered 22 Power BI dashboards for subsidized **housing analytics for Victoria DHS,** enabling data-driven decisions **on $500K+ assets.**
- **Led migration of legacy Oracle/MS SQL systems to Azure SQL**, improving scalability for 50K+ concurrent users.