GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years of experience** designing and deploying **large-scale distributed systems** on AWS. Expertise in **Java, Spring Boot, Kafka, Kubernetes, and Terraform**, with a proven track record of building **high-performance REST APIs** and **cloud-native microservices**..

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+)
Backend Development: Spring Boot, RESTful APIs, Event-Driven Architecture, Microservices
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Jenkins, Maven, Splunk, Git
Databases & Data Tools: Oracle, PostgreSQL, SQL Server, MongoDB, DynamoDB, Agile SDLC, Apache Kafka, Redis, Perforce, Git
Frontend Development: HTML5, CSS3, Bootstrap, jQuery, JSON

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Remote   *May 2024 – April 2025**
Product Description: Job Board for contract IT roles

- Led design of a **job recommendation engine** using **spaCy NLP** and **PostgreSQL + pgvector**, deployed on **AWS EC2**.
- Built a **candidate referral system** using **Neo4j GraphDB** on **AWS ECS**, improving referral quality.
- Engineered a **clickstream analysis microservice** with **Apache Kafka, ReactJS, and MongoDB**, increasing job views by **15%**
- Optimized **Time to First Byte (TTFB) by 30%** via query caching, indexing, and stored procedures on **AWS DynamoDB/RDS**.

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)

- Developed a **prescription transfer tracking system** using **Java Spring Boot & Hibernate**, improving compliance.
- Accelerated **insurance claims processing** via **Java thread pooling**, enhancing HIPAA compliance.
- Integrated **Medi-Span® drug safety data** into POS workflows using JavaFX & SQL Server , reducing prescription errors by 20%.

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

- Built **GIS workflows** with **PostGIS & Google Maps API** (Node.js/ReactJS) for flood-risk analysis.
- Engineered a **NLP-powered regulatory reporting system** with **TensorFlow (GloVe)** and Redis VectorDB, achieving 92% accuracy in compliance insights.
- Designed a **secure license key management microservice** using Python, MongoDB, and AES encryption for SaaS subscription lifecycle handling.

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

- Designed and optimized **RESTful APIs** for a **subsidized housing system** using **Java Spring Boot**, improving response times by **25%**.
- **Migrated legacy Oracle/MS SQL databases** to **Azure SQL Server**, enhancing scalability and reducing query latency.
- Developed **22 Power BI dashboards** and resolved **96 SSRS reports**, enabling real-time data insights for stakeholders.