S GANESAN

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5 years of expertise in building regulatory-compliant products and government-facing platforms. Proficient in end-to-end system design (React, Java, GraphQL) with a focus on scalable compliance workflows, cross-functional collaboration, and secure data residency.

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

Frontend: React, TypeScript, HTML5/CSS3, JavaFX, GraphQL
Backend: Java, Spring Boot, RESTful APIs, Microservices
Compliance & Security: RBAC, HIPAA, GDPR, AES Encryption, Audit Trails
Cloud & Databases: AWS (EC2, S3), Azure (SQL, Blob Storage), PostgreSQL, MongoDB
Tools: Apache Kafka, Redis, PostGIS

WORK EXPERIENCE

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

- Built a **scalable job posting system** with React/Java Spring Boot, automating necessary checks for **10K+ contract roles/month** across 20+ states, ensuring compliance with **100% audit readiness**.
- Collaborated with legal teams to enforce **geospatial data residency** (PostGIS), reducing regional compliance violations by **60%** for **500K+ monthly users**.
- Reduced TTFB by **30%** via DynamoDB caching and Java optimizations, maintaining sub-second latency during peak traffic.

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)

- Designed a **real-time prescription audit system** processing **10K+ daily prescriptions**, achieving **99.9% DEA/FDA compliance** for 500+ pharmacies.
- Partnered with QA/ops teams to build **RBAC-driven access controls**, restricting PHI data access to authorized roles.
- Partnered with ML engineers to integrate **Redis-based drug interaction checks**, reducing lookup latency by **50%** while scaling to **1M+ annual claims**.

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

- Developed a regulatory compliance microservice using TensorFlow and Redis VectorDB, **fine-tuning BERT for document classification** to achieve **92% accuracy** in flagging non-compliant clauses across **10K+ legal documents**.
- Engineered **GIS workflows** to analyze **50K+ construction sites**, flagging **1,200+ high-risk zones** for regulatory review using PostGIS/Google Maps API.
- Automated license key management with AES-256 encryption, achieving **100% compliance** with state codes across U.S. East regions.

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

- Built **JavaFX interfaces** for government officers, reducing training time by **40%** and improving adoption by **200+ users**.
- Led migration of **50+ regional databases (100+ TB)** to Azure SQL, enforcing GDPR-like data residency for **10K+ subsidized contracts** across 15 jurisdictions.
- Collaborated with auditors to create **22 Power BI dashboards**, cutting audit cycles by **70%** through real-time allocation analytics.