GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of expertise in **designing secure, high-scale platforms** for fraud detection, risk mitigation, and real-time systems. Proficient in Java, distributed architectures (Kafka, Redis), and cloud-native security (AWS, Azure). Passionate about building resilient, compliance-first systems that prioritize **zero-trust principles.**

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

Tools: SLF4J/Logback, Apache Kafka, PostGIS
Backend: Java, Spring Boot, Microservices, Apache Kafka, Redis, RESTful/GraphQL APIs
Compliance & Security: RBAC, GDPR/CCPA, OWASP Top 10, Fraud Detection, Real-Time Anomaly Detection, AES-256
Cloud: AWS (EC2, S3, Lambda, DynamoDB), Azure (SQL, Blob Storage), Docker,
Databases: PostgreSQL, MongoDB, DynamoDB, Azure SQL

WORK EXPERIENCE

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

- **Reduced fraudulent job postings by 40%** (1M+ monthly users) via real-time Kafka event processing and Redis-based anomaly detection, flagging 500+ suspicious activities/day.
- **Optimized DynamoDB performance** with Java caching, achieving **30% latency reduction** (TTFB <1.5s) for 500K+ daily API requests and 99.9% uptime.
- **Optimized DynamoDB performance** with Enforced **GDPR/CCPA compliance** with RBAC and audit trails, securing 1M+ candidate profiles across 15+ states.

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 risk mitigation framework** processing 10K+ prescriptions/day, reducing drug interaction errors by **50%** via Redis-accelerated Medi-Span® API checks.
- Automated **audit-ready logging** with SLF4J/Logback, cutting compliance investigation time by **50%** for 500+ pharmacies.
- Scaled Java-based insurance claims to handle **10K+ claims/day** with <500ms latency, maintaining **99.9% uptime** during peak traffic.

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 **anomaly detection workflows** using PostGIS and TensorFlow, identifying **1,200+ high-risk construction sites** for regulatory review.
- Secured license management with **AES-256 encryption**, achieving **100% compliance** with state regulatory standards.

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

- Built **JavaFX dashboards** for government auditors, enabling real-time monitoring of compliance violations and reducing audit cycles by **70%**.
- **Migrated 50+ regional databases (100+ TB)** to Azure SQL with zero downtime, enforcing **row-level security** for 10K+ subsidized contracts and GDPR-like data residency.
- Collaborated with auditors to create **22 Power BI dashboards**, cutting audit cycles by **70%** through real-time allocation analytics.