GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5 years of expertise in Java, Spring Boot, and cloud-native systems, specializing in **high-performance microservices, RESTful APIs**, and **data pipeline optimization**.

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

Languages:	Java 8+, Python, SQL, JavaScript
Backend and Data:	Spring Boot, RESTful APIs, Apache Kafka, Event-Driven Architecture, Data Fabric Design
Tools:	Splunk (logging), Grafana (metrics), Sonar, ELK Stack
Cloud/ DevOps:	AWS, Azure, Docker, CI/CD (GitHub Actions, Jenkins), Kubernetes
Databases:	SQL/NoSQL (DynamoDB, MongoDB, PostgreSQL), Redis (Distributed Caching), Optimization

WORK EXPERIENCE

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

- **Engineered real-time data pipelines** using Apache Kafka and ReactJS, processing 10K+ events/day to drive a **15% user engagement increase** for a job board platform.
- **Designed scalable database architecture** with AWS DynamoDB/RDS, implementing caching (Redis) and indexing to reduce TTFB by **30%**, supporting high-throughput operational data.
- Automated CI/CD pipelines via **GitHub Actions and Jenkins**, enabling zero-downtime deployments for customer-facing applications.

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)

- Built **HIPAA-compliant RESTful APIs** (Spring Boot, Hibernate) to streamline prescription transfers, improving patient compliance by **25%** and reducing manual workflows by **40%**.
- **Architected a distributed claims processing system** using Java thread pooling, accelerating reimbursements by **50%** while ensuring compliance for **100K+ monthly transactions**.
- Integrated **real-time Medi-Span data** into a JavaFX-SQL interface, reducing prescription errors by **20%** through system design aligned with pharmacy data fabric needs.

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

- Developed a **geospatial data pipeline** using PostGIS and Google Maps APIs, identifying flood risks with **95% accuracy** and cutting project delays by **30%**.
- Created an **NLP-driven reporting system** (TensorFlow, Redis) to automate regulatory compliance, achieving **92% accuracy** and saving **15 hours/week** in manual reviews.
- 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%**.
- Led the migration of **500K+ subsidized housing records** from legacy databases to **Azure SQL**, improving query performance by **40%** and scalability.
- Automated 96 SSRS reports and built **22 Power BI dashboards**, reducing data analysis time by **25%** for cross-functional property management teams.