

GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years** of experience designing **secure, scalable applications** using **OOP, TDD, and Service-Oriented Architecture (SOA)**. Proven expertise in cloud modernization (AWS/Azure), DevOps automation, and regulatory compliance (HIPAA, OWASP).

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:	C#, Python, JavaScript/TypeScript, SQL,
Frameworks:	ASP.NET Core, Node.js, React, Entity Framework
Concepts:	OWASP Top 10, AES Encryption, RBAC, Serilog
Cloud:	AWS (EC2, Lambda, S3), Azure, Docker, CI/CD (GitHub Actions)
Database & Tools:	SQL Server, PostgreSQL, MongoDB, DynamoDB, Apache Kafka, PostGIS, Unit Testing

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Oak Brook, IL May 2024 – Present

Product Description: Job Board for contract IT roles

- Developed **cloud-hosted microservices** (AWS EC2) using **OOP principles** and **TDD** to ensure modularity and scalability for a job recommendation engine.
- Implemented **OWASP-aligned security practices** (input validation, RBAC) in a Neo4j-based referral system, reducing vulnerabilities by **25%**.
- Collaborated with DevOps teams to automate deployments using **CI/CD pipelines**, cutting release cycles by **30%**.

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)

- Engineered a **HIPAA-compliant billing system** (ASP.NET Core) for pharmacy transactions, leveraging **SOA** to integrate inventory, POS, and insurance modules.
- Automated **10,000+ monthly insurance claims** using **C# object pooling**, improving throughput by **40%** while adhering to financial regulations.
- Conducted **code reviews** and **unit testing** (xUnit) to maintain 95% test coverage, aligning with **Agile quality standards**.

Autoreview.ai | Intern | *Software Engineer Intern, AI/ML* | Gainesville, FL May 2022 – Dec 2022

Product Description: Document Manager for Construction Companies

- Built a regulatory compliance engine using **TensorFlow NLP** and **Redis VectorDB**, achieving **92% accuracy** in real-time reports (analogous to **on-chain data validation**).
- Implemented AES-encrypted license keys** (Django/MongoDB), demonstrating **secure key lifecycle management** for SaaS platforms.
- Built a **Python Celery task queue** integrated with **Redis pub/sub** to handle asynchronous geocoding requests, processing 10k+ GIS transactions daily with 99.9% uptime.

Infosys | Full-Time | *Software Engineer* | Chennai, India Jul 2018 – Jul 2021

Product Description: Information System for Subsidized Housing Projects

- Modernized **monolithic systems to Azure cloud** using **SOA**, boosting query performance by **35%** for 10,000+ subsidized housing users.
- Implemented **Apache Kafka** for real-time contract data synchronization across distributed teams, ensuring strict consistency models
- Designed **22 Power BI dashboards** with statistical models to analyze housing compliance data, supporting data-driven decision-making.
- Engineered **20+ parameterized stored procedures** and **SQL Server Integration Services (SSIS)** packages to automate data ingestion from 3rd-party APIs, reducing manual ETL efforts by **30 hours/month**.