

GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years of experience** designing and deploying scalable cloud-native systems using **microservices, event-driven architecture, and AI/ML**. Proven expertise in **AWS, Python, and React**, with a strong focus on DevOps practices, infrastructure-as-code, and mentoring cross-functional teams.

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:	Python, C#, Node.js, TypeScript
Backend Development:	Django, RESTful APIs, Microservices, Event-Driven Design, SOA
Cloud & DevOps:	AWS (EC2, ECS, Lambda, S3, RDS, CloudFormation), Azure, Docker, CI/CD (GitHub Actions)
Frontend Development:	React, Redux, HTML5, CSS3
Databases & Data Tools:	PostgreSQL, DynamoDB, MongoDB, Apache Kafka, Redis, Spark (PySpark)

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Remote May 2024 – April 2024*

Product Description: Job Board for contract IT roles

- Led end-to-end development of an **AWS-based job recommendation engine** using **Python, spaCy NLP, and pgvector**, improving job match accuracy by 22% and reducing latency by 35% through query optimization.
- Architected a **Neo4j-powered referral system** on AWS ECS, increasing referral-driven hires by 18% via graph-based analytics.
- Built a **clickstream analysis microservice** (Python, Celery, React) to track user behavior, boosting job views by 15% through data-driven UI optimizations.
- Reduced TTFB by 40% by implementing **DynamoDB caching** and **CloudFormation templates** for automated resource provisioning.

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 HIPAA-compliant **RESTful BaaS API** (ASP.NET Core, React) for prescription transfers, reducing processing time by 50%.
- Automated insurance claims using **C# object pooling**, accelerating reimbursement cycles by 30% and reducing errors by 25%.
- Spearheaded migration of legacy SQL Server databases to **AWS RDS** using Terraform, improving scalability and cutting downtime by 60%.
- Implemented **structured logging with Serilog** and correlation IDs, reducing troubleshooting time by 45%.

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

Product Description: Document Manager for Construction Companies

- Engineered a **Python-based geocoding service** (PostGIS, Google Maps API) to flag flood risks in real-time, adopted by 200+ construction firms.
- Developed a **TensorFlow NLP microservice** with Redis for regulatory reports, achieving 92% accuracy and reducing manual effort by 70%.
- Automated license key generation using **AES encryption** (Django, MongoDB), cutting subscription onboarding time by 80%.

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

Product Description: Information System for Subsidized Housing Projects

- Migrated 15+ on-premises databases to **Azure SQL** using PowerShell automation, improving query performance by 50%.
- Created 22 **Power BI dashboards** with SQL Server Integration, enabling real-time insights for 500+ government stakeholders.
- Revamped a **.NET WPF property management module**, reducing data entry errors by 40% through form validation and async workflows.