GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years of experience** designing scalable cloud-native applications using **AWS, Azure, Docker, and microservices**. Expertise in **C#, ASP.NET Core, ReactJS, Node.js, and TypeScript**, with a proven track record in building **Backend-For-Frontend (BFF) services** and optimizing systems with **Redis, MongoDB, and NoSQL**. Collaborative leader passionate about driving operational excellence in agile environments.

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#, JavaScript/TypeScript, Python, HTML/CSS
Backend & Frontend: ASP.NET Core, Node.js, REST APIs, Microservices, BFF Architecture, ReactJS, Redux, .NET WPF Forms
Cloud & DevOps: AWS (ECS, EC2, S3, Lambda), Azure (VMs, SQL), Docker, CI/CD
Tools: Apache Kafka, Neo4j, Entity Framework, Git, Celery
Databases: MongoDB, Redis, DynamoDB, PostgreSQL, SQL Server

WORK EXPERIENCE

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

Product Description: Job Board for contract IT roles

- Led end-to-end design of a **job recommendation engine** using **AWS EC2** and **Docker**-based ECS deployment, leveraging **spaCy NLP** and PostgreSQL to boost job conversions by **15%**.
- Architected a **candidate referral system** using **Neo4j GraphDB** on AWS, enhancing referral tracking and quality through graph-based analytics.
- Improved **Time to First Byte (TTFB) by 25%** by optimizing DynamoDB/RDS queries, implementing caching, and refining indexes in Node.js with TypeScript.
- Reduced API latency by **25%** via **Redis caching** and query optimization for high-traffic endpoints.

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)

- Developed **BFF services** in **C#** and **ASP.NET Core** to streamline prescription tracking, improving HIPAA compliance and revenue recovery.
- Engineered an automated insurance claims system using **object pooling in C#**, cutting reimbursement processing time by **30%**.
- Implemented **structured logging (Serilog)** with correlation IDs, reducing troubleshooting time by **30%** and improving observability
- Enhanced patient safety by integrating **.NET WPF Forms** with Medi-Span® drug data via SQL Server.

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

Product Description: Document Manager for Construction Companies

- Built a geospatial analytics service using **PostGIS** and Google Maps APIs, enabling real-time flood risk assessment.
- Engineered an **NLP-powered regulatory report generator** (TensorFlow, Redis) achieving **92% accuracy** in compliance insights.
- Secured license key management using **AES encryption** in Django, ensuring secure subscription workflows.

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

Product Description: Information System for Subsidized Housing Projects

- Modernized legacy systems by migrating Oracle/MS SQL databases to **Azure SQL**, improving scalability and reliability.
- Enhanced data insights for cross-functional teams by creating **Power BI report templates** with **SQL Server Integration**.
- Resolved issues in 96 SSRS reports and provided long-term development support for property and contract management modules using **WPF .NET Framework 4.7.2** and **C# 6.0**.