GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **4+ years** of experience designing **cloud-native, scalable SaaS solutions** using microservices, REST APIs, and distributed systems. Proven track record in building secure, high-performance applications on AWS/Azure, optimizing DevOps workflows, and driving end-to-end ownership of features.

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, JavaScript/TypeScript, C#
Backend Development: RESTful APIs, Microservices, Node.js, ASP.NET Core, Distributed Systems, Apache Kafka
Cloud & DevOps: AWS (EC2, ECS, S3, Lambda, RDS, CloudWatch), Azure (VMs, Blob Storage), Kubernetes
Frontend Development: HTML5, CSS3, ReactJS, Redux
Databases & Data Tools: PostgreSQL, MongoDB, DynamoDB, Redis, SQL Server

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 a **scalable job recommendation engine** using **spaCy NLP** and **PostgreSQL/pgvector**, deployed as an **AWS EC2 microservice**, improving job application conversions by 18%.
- Designed a **distributed candidate referral system** using **Neo4j GraphDB** on AWS ECS, enhancing referral quality through graph-based relationship modeling.
- Engineered a **clickstream analysis microservice** with **ReactJS, Celery, and MongoDB**, boosting job posting visibility by 15% via real-time user interaction analytics.
- Optimized platform performance by implementing **caching, indexing, and stored procedures** across AWS DynamoDB/RDS, reducing TTFB by 30% with Node.js/TypeScript.

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 a **RESTful BaaS API** for prescription transfer tracking using **ASP.NET Core** and ReactJS, ensuring compliance with healthcare data security standards.
- Developed an **automated insurance claims system** using **C# and object pooling**, accelerating reimbursement processing by 25% and improving HIPAA audit readiness.
- Integrated **Medi-Span® drug safety data** into POS workflows via a .NET WPF service, reducing prescription errors by 20%.
- Implemented **structured logging with correlation IDs** (Serilog) for streamlined troubleshooting and audit trails.

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

- Delivered **real-time GIS flood analysis** using **PostGIS and Google Maps APIs**, deployed as a Node.js/ReactJS microservice.
- Engineered a **NLP-powered regulatory reporting system** with **TensorFlow (GloVe)** and Redis VectorDB, achieving 92% accuracy in compliance insights.
- Designed a **secure license key management microservice** using Django, MongoDB, and AES encryption for SaaS subscription lifecycle handling.

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

- Migrated legacy Oracle/MS SQL databases to **Azure SQL Server**, improving scalability and reducing downtime by 40%.
- Created 22 **Power BI** report templates with **SQL Server Integration**, and resolved issues in 96 SSRS reports for reliable data insights.
- Migrated complex on-premises databases in Oracle and MS SQL Server 2005 to Azure-hosted SQL Server 2017.