GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years** of experience building **scalable, customer-centric applications** using **React, React Native, and TypeScript**. Adept at driving iterative, full-stack solutions across the software lifecycle, with expertise in **distributed systems**, **cloud-native architectures (AWS, Azure)**, and **collaborative 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

Programming Languages: JavaScript (ES6+), TypeScript, C#, Python, SQL
Backend: Node.js, ASP.NET Core, RESTful APIs, Entity Framework, Celery
Cloud & DevOps: AWS (ECS, EC2, S3, RDS, Lambda), Azure (VMs, SQL), Docker, Terraform
Databases: PostgreSQL, SQL Server, DynamoDB, MongoDB, Redis, Apache Kafka
Tools: Git, Power BI, Kubernetes (basic), New Relic (monitoring), CI/CD pipelines

WORK EXPERIENCE

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

- Engineered a **React-based frontend** for a job recommendation engine, improving user engagement by **15%** through responsive design and optimized **TypeScript** workflows.
- Architected a **distributed referral tracking system** using **React Native** for mobile-first interactions, modeled on **AWS ECS** and **Neo4j GraphDB** to incentivize high-quality referrals.
- Boosted system performance by **20%** via **DynamoDB caching** and query optimization, reducing Time To First Byte (TTFB) to <500ms.
- Collaborated with cross-functional teams to deliver **iterative releases** using Agile methodologies, ensuring alignment with business goals.

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 a **ReactJS frontend** for a prescription tracking system, integrating with a **RESTful ASP.NET Core API** to enhance HIPAA compliance and reduce claim processing time by **30%**.
- Automated insurance claim workflows using **C# object pooling**, accelerating reimbursements and improving revenue recovery by **25%**.
- Leveraged **SQL Server** and structured logging (.NET Serilog) to standardize troubleshooting, reducing resolution time by **40%**.

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

- **Built a ReactJS and Node.js microservice for real-time GIS data visualization, integrating PostGIS and Google Maps APIs to identify flood risks with 92% accuracy**.
- Streamlined license key generation using **AES encryption** and lifecycle management via **Django**, improving subscription handling efficiency by **35%**.
- 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

- Migrated **Oracle/SQL Server** databases to **Azure SQL**, enhancing scalability and reducing latency by **50%**.
- Designed **22 Power BI dashboards** with **SQL Server Integration** to drive data-driven decision-making for subsidized housing projects.
- 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**.