

GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with **5+ years** of experience designing and delivering **scalable, secure web applications** using JavaScript, React, Node.js, and cloud-native technologies. Proven expertise in **end-to-end ownership** of features, performance optimization, and cross-functional collaboration. Passionate about building **high-performing, accessible client-side applications** while adhering to DevOps best practices, observability, and security standards.

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

Frontend:	React, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Redux
Backend:	Node.js, RESTful APIs, GraphQL, ASP.NET Core, Django
Cloud & DevOps:	AWS (EC2, ECS, S3, Lambda, DynamoDB, RDS), Docker, CI/CD pipelines, Grafana
Tools & Practices:	Git, Jest, Cypress, Apache Kafka, Serilog, Celery, Agile/Scrum, Microservices, TDD, Observability, Security (OWASP, HIPAA)
Databases:	PostgreSQL, MongoDB, Redis, Neo4j, 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

- Spearheaded end-to-end development of a **job recommendation engine** using **React, Node.js, and spaCy NLP**, improving job application conversions by **15%** through optimized vector scoring (PostgreSQL + pgvector).
- Engineered a **clickstream analysis microservice** (React, Celery, MongoDB) to track user interactions, enabling data-driven UI enhancements that boosted page views by **15%**.
- Improved **Time to First Byte (TTFB)** by **25%** by optimizing DynamoDB/RDS queries, implementing caching, and refining indexes in Node.js with TypeScript.
- Collaborated with cross-functional teams (Product, Analytics) to design a **Neo4j GraphDB referral system** on AWS ECS, driving high-quality candidate referrals.

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 **prescription transfer tracking system** using **React and ASP.NET Core**, improving prescription compliance and HIPAA adherence.
- Automated insurance claims processing with **C# object pooling**, accelerating reimbursements by **20%** and enhancing system security.
- Implemented **structured logging (Serilog)** with correlation IDs, reducing troubleshooting time by **30%** and improving observability.

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

Product Description: Document Manager for Construction Companies

- Developed a **geospatial microservice** with React, Node.js, and Google Maps APIs, enabling real-time flood risk analysis for construction sites.
- Engineered a **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

- Led migration of legacy Oracle/SQL Server databases to **Azure SQL**, improving scalability and reducing downtime by **40%**.
- 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**.