

GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience in building scalable, cloud-native applications and a passion for introducing cutting-edge technologies. Proven expertise in **JavaScript**, **JVM-based backend systems**, and **LLM-driven tools**, with a strong product mindset and a track record of improving developer experiences. Adept at leading cross-functional teams, contributing to open-source projects, and driving technical vision across frontend, backend, and data systems.

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, Python, C#, Java
Frontend & Backend:	ReactJS, Redux, HTML5, Backstage.io, Node.js, ASP.NET Core, Django, Spring Boot, RESTful APIs
Cloud & DevOps:	AWS (S3, Lambda, ECS, EC2, RDS), Azure (VMs, SQL, Blob Storage), Docker, Kubernetes
Databases:	PostgreSQL, MongoDB, Redis, DynamoDB, Apache Kafka, Neo4j
AI/ML:	LLMs (OpenAI, GPT), TensorFlow, spaCy, GloVe NLP, Redis VectorDB
Security:	HIPAA Compliance, SAML/OAuth, AES-256 Encryption, Active Directory

WORK EXPERIENCE

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

Product Description: Job Board for contract IT roles

- Introduced **cutting-edge technologies** by designing and implementing a **job recommendation engine** using **spaCy NLP** and **pgvector** for skill/job vector storage, hosted on **AWS EC2**, resulting in a 15% increase in job posting views.
- Improved developer experience by building a **clickstream analysis microservice** using **Celery**, **ReactJS**, and **MongoDB** to track user interactions and optimize page responsiveness.
- Led the development of a **candidate referral system** using **Neo4j GraphDB** on **AWS ECS**, enhancing referral quality and tracking through a "vouched referral" model.
- Mentored junior engineers and collaborated across teams to deliver scalable backend solutions using **Node.js** and **TypeScript**, reducing Time to First Byte (TTFB) by 20%.

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)

- Enhanced developer productivity by standardizing troubleshooting processes through **structured logging with correlation IDs** using **.NET Serilog**.
- Built a **RESTful Backend as a Service (BaaS) API** using **ASP.NET Core** and **ReactJS** to track prescription transfer requests, improving prescription compliance by 25%.
- Improved developer experience by engineering a **.NET service** that linked prescriptions with **Medi-Span® data** using **.NET WPF Forms**, delivering critical drug safety information at the point of sale.
- Collaborated across teams to develop an **automated insurance claims system** using **C# object pooling**, accelerating reimbursements and improving HIPAA compliance.

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

Product Description: Document Manager for Construction Companies

- Engineered a **microservice** using **GloVe NLP** and **TensorFlow** for sentence embeddings, achieving 92% accuracy in generating on-demand regulatory insight reports.
- Streamlined developer workflows by building a **RESTful microservice** for secure license key generation using **AES encryption** and lifecycle management with **Django** and **MongoDB**.
- Delivered real-time GIS data by implementing **spatial indexing and geocoding workflows** using **PostGIS & Google Maps APIs** in **NodeJS** and **ReactJS**.

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

Product Description: Information System for Subsidized Housing Projects

- Improved system reliability and developer productivity by migrating complex on-premises databases from **Oracle** and **MS SQL Server 2005** to **Azure-hosted SQL Server 2017**.

- Created 22 **Power BI report templates** with **SQL Server Integration**, enabling reliable data insights for cross-functional teams.
- Enhanced developer experience by resolving issues in 96 SSRS reports and providing long-term development support for property and contract management modules using **WPF .NET Framework 4.7.2** and **C# 6.0**.