

GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience building **scalable, high-performance systems** using **REST APIs, microservices, and modern web stacks**. Proficient in **Java, C#, and Python**, with extensive experience in **SQL/NoSQL databases** (Postgres, Redis, MongoDB) and **message queues** (RabbitMQ, Kafka).

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:	Java, C#, Python, Kotlin, JavaScript
Backend:	RESTful APIs, Microservices, Spring Boot, ASP.NET Core, Node.js, RabbitMQ, Apache Kafka
Cloud & DevOps:	AWS (EC2, S3, Lambda, RDS), Azure (VMs, SQL, Blob Storage), Docker, Kubernetes
Databases:	PostgreSQL, MongoDB, Redis, Elasticsearch, DynamoDB
AI/ML:	LLMs (OpenAI, GPT), TensorFlow, spaCy, GloVe NLP, Redis VectorDB
Concepts & Tools:	Unit Testing, Architectural Design, Scalability, Performance Optimization, Git, Jenkins

WORK EXPERIENCE

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

Product Description: Job Board for contract IT roles

- **Improved system scalability** 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.
- Built and maintained **RESTful APIs** for a **candidate referral system** using **Neo4j GraphDB** on **AWS ECS**, enabling high-quality referrals through a "vouched referral" model.
- Enhanced system stability by implementing **query result caching** and **optimized indexing** on **AWS DynamoDB** and **RDS**, reducing Time To First Byte (TTFB) by 20%.
- Collaborated across teams to deliver a **clickstream analysis microservice** using **Celery, ReactJS, and MongoDB**, improving user engagement and data-driven decision-making.

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)

- **Improved system efficiency** by building a **RESTful Backend as a Service (BaaS) API** using **ASP.NET Core** and **ReactJS**, which tracked prescription transfer requests and improved prescription compliance by 25%.
- Enhanced scalability by developing an **automated insurance claims system** using **C# object pooling**, accelerating reimbursements and improving HIPAA compliance.
- Designed and implemented **unit tests** and **architectural improvements** for the pharmacy management suite, ensuring system reliability and maintainability.

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

Product Description: Document Manager for Construction Companies

- **Built scalable backend systems** by engineering a **microservice** using **GloVe NLP** and **TensorFlow** for sentence embeddings, achieving 92% accuracy in generating on-demand regulatory insight reports.
- Streamlined product subscription handling through a **RESTful microservice** that securely generates license keys using **AES encryption** and managed their lifecycle transitions using **Django and MongoDB**.
- Enabled real-time GIS data delivery 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 stability** by migrating complex on-premises databases from **Oracle** and **MS SQL Server 2005** to **Azure-hosted SQL Server 2017**.
- 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**.