

# GANESAN SANTHANAM

(630) 791-0656 | WA, United States | [ganesansantha147@gmail.com](mailto:ganesansantha147@gmail.com) | [linkedin.com/in/ganesansantha77/](https://www.linkedin.com/in/ganesansantha77/) | [github.com/Ganesh96](https://github.com/Ganesh96)

## PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5 years of experience building scalable, **Azure-native applications** using Event-Driven Design, Microservice Architecture, and AI/ML. Proven expertise in adopting Microsoft technologies, driving continuous improvement, and delivering customer-centric solutions with robust engineering practices.

## 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:	C#, Python, JavaScript (ES6+), TypeScript
Backend Development:	ASP.NET Core, Azure Functions, Node.js, RESTful APIs, Entity Framework
Cloud & DevOps:	Azure (VMs, SQL, Blob Storage, Synapse, Service Bus, Cosmos DB, Monitor), CI/CD Pipelines
Frontend Development:	ReactJS, Redux, .NET WPF, HTML5, CSS3
Databases & Data Tools:	SQL Server, PostgreSQL, Azure Synapse, Redis, Apache Kafka, Power BI

## WORK EXPERIENCE

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

Product Description: Job Board for contract IT roles

- Leading design of a **job recommendation engine** using **spaCy NLP**, deployed as an **Azure VM service** with PostgreSQL + pgvector for skill/job vector storage.
- Engineered a **candidate referral system** using **Neo4j GraphDB** on **Azure Container Instances**, boosting referral quality by 20%.
- Developed a clickstream analysis microservice with **ReactJS**, **Celery**, and **Azure Cosmos DB**, increasing job views by 15%.
- Optimized TTFB by 30% via query caching, indexing, and stored procedures in **Azure SQL Database** using TypeScript and Node.js.

**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 HIPAA-compliant **insurance claims system** using C# with **Azure Service Bus** for asynchronous processing, accelerating reimbursements by 25%.
- Designed a **prescription transfer tracking API** with ASP.NET Core and ReactJS, improving compliance by 18%.
- Integrated **Azure Monitor** for telemetry, enabling data-driven optimizations of patient safety workflows.
- Standardized product troubleshooting process by implementing structured logging with correlation IDs (.NET Serilog).

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

Product Description: Document Manager for Construction Companies

- Built a geocoding microservice using **Azure Maps API** and PostGIS, reducing flood-risk analysis time by 35%.
- Engineered a **GloVe NLP model** (TensorFlow) with **Azure Redis Cache** for embeddings, achieving 92% report accuracy
- 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**.

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

Product Description: Information System for Subsidized Housing Projects

- Migrated complex on-premises databases in Oracle and MS SQL Server 2005 to Azure-hosted SQL Server 2017.
- Developed scalable property management modules using **ASP.NET Core** and **Azure SQL Database**, reducing latency by 40% through query optimization and indexing.
- Engineered user-friendly WPF interfaces with dynamic data binding (C#, XAML), improving workflow efficiency by 30%.
- Automated reporting by creating 22 Power BI dashboards with **Azure Data Factory** pipelines, streamlining stakeholder decision-making.