Ganesan Santhanam

(352) 871-3468 | ganesan.santhanam96@gmail.com | LinkedIn | Github | United States

KEY ACCOMPLISHMENTS

- Engineered **AI-driven microservices** for a document management system, seamlessly integrating with the core **SaaS** product, driving a 30% surge in user engagement.

- Optimized **SQL Server** performance by implementing **asynchronous processing** and **caching** in **C#**, achieving a 50% reduction in database load and boosting query performance by 40%.

- Fronted the **modernization** of screens part of the **core features**, incorporating premium member features, resulting in **enhanced user satisfaction and engagement**.

WORK EXPERIENCE

Maxil Technology Solutions   May 2024 — Present
Software Engineer   *Oak Brook, IL*
- Architected and scaled an employer dashboard using **AngularJS** and **MongoDB**, integrating **OpenAI APIs**, which elevated user engagement through tailored content and interactive quizzes.
- Enhanced **SQL query performance** and developed micro-services, improving data analysis accuracy and optimizing overall system performance.

BestRx Pharmacy Software   Aug 2023 — Apr 2024
Software Engineer   *Oak Brook, IL*
- Designed and developed an automated insurance claims system utilizing **ASP.NET Web API 2**, reducing manual claim processing by **400%** and improving claims accuracy.
- Developed a **transfer request tracking** interface with **Angular** and **SQL**, boosting prescription handling efficiency.
- Contributed to high-performance **multi-threaded back-end services**, increasing system report reliability by 50% using **C#.NET** and **Windows Services**

Autoreview.ai   May 2022 – Dec 2022
Software Engineer Intern   *Gainesville, FL*
- Developed an automated **document versioning system** with **Azure Blob Storage** and **.NET**, decreasing versioning errors and optimizing internal workflows.
- Enhanced **audit trail precision** by 40% through the implementation of **document history tracking** using **.NET** and **MongoDB**.
- Achieved a 87% improvement in **document context extraction accuracy** by creating an **API** with **Google Vision**, **TensorFlow R-CNN**, and **GloVe NLP**, ensuring compliance and accuracy.

Infosys   July 2018 – July 2021
Senior Software Engineer   *India*
- Accelerated **response times** by 3x fold and reduced **endpoint testing time** by 50% by restructuring system architecture with **test-driven design (TDD)** and **dependency injection** in **.NET**.
- Addressed **SQL Server performance** issues by integrating **asynchronous processing** and **caching**, resulting in a reduced database load and a 94% performance boost.
- Migrated 118 **SSRS reports** to **Power BI**, transitioning data from **SQL Server 2005** and **Oracle** to **SQL Server 2017**, showcasing advanced **SQL Server Analytics** and improving reporting efficiency.

TECHNICAL SKILLS

Programming Languages:	C#, Golang, JavaScript, TypeScript, Python
Frameworks:	.NET, React, Node.js, Angular, ASP.NET Web API
Microservices & Architecture :	Microservices, Event-Driven Architecture, REST APIs
DevOps & CI-CD:	AWS, GCP, Azure, Docker, Kubernetes, GitHub Actions, Jenkins
Databases & Message Queues:	SQL Server, MongoDB, PostgreSQL, Oracle DB, Apache Kafka, Redis
Other Skills:	Git, Microsoft Visual Studio, Tableau, Data Visualization, SDLC, Debugging, Troubleshooting

EDUCATION

University of Florida   Aug. 2021 – May 2023
Master's of Science in Computer Science   *Gainesville, Florida*