

Ganesan S

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KEY ACCOMPLISHMENTS

- Designed and developed AI-powered **microservices** for a document management system, integrating with the core SaaS product to enhance product value, resulting in a **30% increase in user engagement**
- Improved **SQL Server** performance by implementing asynchronous processing and caching in **C#**, achieving a **50%** reduction in database load and a **40%** increase in query performance.
- Led the modernization of Pharmacy Management SaaS product screens, integrating premium member feature requests to enhance user experience and satisfaction.

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

- Automated document versioning system using **Python**, **Azure Blob Storage**, and **FastAPI**, reducing versioning errors by 35% and streamlining document handling across teams.
- Boosted audit trail precision by 40% by integrating **Python**, **Flask**, and **MongoDB** to track document history, ensuring compliance and data accuracy.
- Improved document context extraction accuracy by 87% by developing an API using **TensorFlow** and **spaCy** in **Python**, leveraging **Google Vision** for image recognition and **GloVe NLP** for natural language processing.

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:	Python, C#, JavaScript, TypeScript, Golang
Frameworks:	Django, FastAPI, Flask, React, Node.js, ASP.NET Core, Entity Framework
Microservices & Architecture:	Event-Driven Architecture, REST APIs, API Gateway, Microservices
DevOps & CI-CD:	AWS, GCP, Azure, Docker, Kubernetes, GitHub Actions, Jenkins, Datadog
Databases & Message Queues:	PostgreSQL, MongoDB, MySQL, SQL Server, Redis, Apache Kafka
Other Skills:	Test-Driven Development (TDD), CI/CD Pipelines, Enterprise SaaS, Frontend Development, Product Management, Data Visualization

EDUCATION

University of Florida

Master's of Science in Computer Science

Aug. 2021 – May 2023

Gainesville, Florida