

S Ganesan (Ganesh)

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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%.
- Enhanced reporting efficiency by 45% by migrating legacy systems to a modern **React.js**-based dashboard and optimizing data pipelines from **SQL** to **MongoDB**.

WORK EXPERIENCE

Maxil Technology Solutions

May 2024 — Present

Software Engineer

Oak Brook, IL

- Developed and deployed a responsive employer dashboard using **React.js**, **Node.js**, and **MongoDB**, leveraging **RESTful APIs** and **GraphQL** for real-time data synchronization, improving user engagement.
- Built high-performance back-end services with **Node.js**, **Express.js**, and **AWS Lambda**, reducing latency by 20%, which enhanced scalability & improved user experience.

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 a document versioning system using **Node.js** and **Azure Blob Storage**, reducing versioning errors & increasing internal workflow efficiency.
- Enhanced document audit trail accuracy by 40% through the implementation of a history tracking system with **MongoDB** and **Python**, improving document retrieval and compliance accuracy.
- Achieved a 94% improvement in keyword extraction accuracy while ensuring regulatory compliance by developing an API using Google Vision, TensorFlow R-CNN, and GloVe NLP.

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