

# Ganesan S

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## KEY ACCOMPLISHMENTS

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- 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

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### 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

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

## EDUCATION

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### University of Florida

*Master's of Science in Computer Science*

Aug. 2021 – May 2023

*Gainesville, Florida*