Ganesan Santhanam

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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** through **modern software patterns and architecture**.
- **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%**, demonstrating advanced **API and database management**.

WORK EXPERIENCE

Maxil Technology Solutions   May 2024 — Present
Software Engineer   *Oak Brook, IL*
- Developed a responsive employer dashboard using React.js, Node.js, and MongoDB, leveraging RESTful APIs and GraphQL for real-time data, improving user engagement.
- **Enhanced SQL query performance and microservice development**, resulting in improved **data accuracy** and optimizing **system-wide performance** to exceed operational standards.

BestRx Pharmacy Software   Aug 2023 — Apr 2024
Software Engineer   *Oak Brook, IL*
- Developed an **automated insurance claims system** using **ASP.NET Web API 2**, reducing manual processing time by **400%** and significantly improving claims accuracy, aligned with **stakeholder expectations**.
- Created a **transfer request tracking interface** with Windows Forms and SQL, boosting **efficiency in prescription handling** and showcasing **independent management of key deliverables**.
- Contributed to **high-performance, multi-threaded backend services** with **C# and Windows Services**, increasing system **report reliability by 50%**.

Autoreview.ai   May 2022 – Dec 2022
Software Engineer Intern   *Gainesville, FL*
- Developed an **automated document versioning system** leveraging **Azure Blob Storage** and .NET, reducing **versioning errors** and improving workflow efficiency, **independently managing** the development.
- Enhanced **audit trail accuracy by 40%** through document history tracking with **MongoDB** and .NET, aligning with **compliance requirements**.
- **Improved document context extraction accuracy by 87%** using an API with **Google Vision, TensorFlow, and GloVe NLP**, emphasizing **complex API integration** for enhanced compliance.

Infosys   July 2018 – July 2021
Senior Software Engineer   *India*
- **Accelerated system response times by 3x** and reduced endpoint testing time by **50%** by restructuring the architecture with **test-driven design** (TDD) and dependency injection in **.NET**, contributing to **modern software architecture**.
- Addressed **SQL Server performance issues** with asynchronous processing and caching, reducing database load and achieving a **94% performance boost**.
- Migrated **118 SSRS reports to Power BI** and transitioned data from SQL Server 2005 and Oracle to **SQL Server 2017**, enhancing **reporting efficiency** and **data analysis** capabilities.

TECHNICAL SKILLS

Programming Languages:	C#, Golang, JavaScript, TypeScript, Python
Frameworks:	.NET, React, Node.js, Angular, ASP.NET Web API
Microservices & Architecture :	Microservices, **REST APIs**, **Event-Driven Architecture**
Cloud:	**Google Cloud Platform (GCP), AWS, Azure**
Databases & Message Queues:	SQL Server, MongoDB, PostgreSQL, Oracle DB, **Apache Kafka**, Redis
Other Skills:	**Requirement Gathering**, 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*