

# Ganesan Santhanam

Illinois, United States +1 (352) 871 3468 [ganesan.santhanam96@gmail.com](mailto:ganesan.santhanam96@gmail.com)  
[Ganesan Santhanam](#) [Ganesh96](#)

## Skills

### Programming Languages



JavaScript, TypeScript, HTML, CSS, Python, VBA, C#, SQL

### Frameworks



Django, Spring Boot, Express.js, ASP.NET Core, React, NodeJS, .NET, .NET Core, Angular

### Databases



PostgreSQL, Microsoft SQL Server, Oracle, MongoDB, Cassandra, Redis, Elasticsearch

### Frontend



HTML, CSS, JavaScript, React.js, Angular, Bootstrap, jQuery

### Cloud



Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

## Experience

### BestRx Pharmacy Software | Software Developer

Oak Brook, IL, USA | Aug 2023 - Apr 2024

- Developed and maintained web applications using third-party and in-house frameworks, ensuring elastic scalability and security by design.
- Built an automated insurance claims system using JavaScript, improving claims accuracy by 35% and operational efficiency by 25%.
- Implemented shared components and developed back-end services and front-end web interfaces for tracking request history and viewing incoming transfer requests, enhancing efficiency by 40%.

### University of Florida | Data Management Analyst (Level 2)

Gainesville, FL, USA | Jun 2023- Aug 2023

- Architected a dashboard with HTML, CSS, and JavaScript to visualize and record insights for data points in a longitudinal dataset, improving research work efficiency by 80%.
- Implemented automated alerts using Twilio's messaging and emailing capabilities to reduce missed patient appointments, increasing participation and response rates by 210%.
- Applied usability procedures and principles to ensure solutions were deployable, operable, and secure by default.

### Autoreview.ai | Software and Machine Learning Engineer Intern

Gainesville, FL, USA | May 2022 - Dec 2022

- Developed server-side services using Azure Blob Storage for an automated document versioning system, reducing versioning errors by 50%.
- Implemented a comprehensive document history tracking mechanism with SQL Server for detailed activity logging, leading to a 40% improvement in audit trail accuracy and compliance adherence.
- Architected and developed microservices with NodeJS to orchestrate conflict resolution, permit progress tracking, and streamline workflows, achieving a 40% increase in efficiency and a 50% reduction in resolution time.
- Designed an API to optimize document handling, integrating Google Vision API and custom models, enhancing keyword extraction accuracy by 94%.

### University of Florida | Graduate Assistant

Gainesville, FL, USA | Apr 2022 - May 2022

- Engineered APIs for payment processing and user-license management using Developed web apps with React, reducing manual processing by 50%. Ensured backward and forward compatibility of services to ease deployment.

### Infosys | Senior System and System Engineer

Chennai, TN, India | Jul 2018 - Jul 2021

- Collaborated with stakeholders to redesign system architecture using domain-driven design (DDD) and dependency injection, improving response times by 40%.
- Resolved slowness issues in a .NET project by implementing asynchronous processing and caching strategies, improving performance by 40%.
- Increased reporting efficiency by migrating 118+ SSRS reports to Power BI and transferring data between SQL Server versions, showcasing SQL Server Analytics and report designing skills.
- Worked with subject matter experts to clarify requirements and turn user stories into functionality.

## Education

### University of Florida | 2021 - 2023

Computer Science, M. Sc. | 3.61 / 4.00

### SRM Institute of Science and Technology | 2014 -2018

Computer Science, B. Tech | 8.84 / 10.00