Ganesan Santhanam (He/ Him)

SOFTWARE DEVELOPER

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Ganesan Santhanam   Ganesh96

Summary

With 4 years of hands-on experience and a Master's degree from the University of Florida, I specialize in designing and implementing scalable, high-performance applications. Proficient in C#, Python, and JavaScript, I deliver robust software solutions. My expertise includes microservices architecture and cloud solutions, ensuring seamless integration and deployment. Adept at collaborating with cross-functional teams, I am a focused, career-driven, and curious individual, striving for innovation and excellence in software architecture and development.

Skills

Programming Languages	Frameworks	Databases	Frontend	Cloud
JavaScript, TypeScript, HTML, CSS, Python, VBA, C#, SQL	Django, Spring Boot, Express.js, ASP.NET Core, React, NodeJS, .NET, .NET Core, Angular	PostgreSQL, Microsoft SQL Server, Oracle, MongoDB, Cassandra, Redis, Elasticsearch	HTML, CSS, JavaScript, React.js, Angular, Bootstrap, jQuery	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 Insitute of Science and Technology | 2014 -2018
Computer Science, B. Tech | 8.84 / 10.00