S Ganesan

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# PROFILE

Experienced Software engineer with 5 years of experience in developing real-time, scalable, distributed services. Skilled in C#(.NET Core, VB.NET and ASP.NET)JavaScript (NodeJS, ExpressJS, React), Python (Django, FastAPI), Databases and Message Queues (MongoDB, PostgreSQL, Redis, Apache Kafka). Collaborating within cross-functional teams, performing code reviews, managing CI pipeline, and adhering trunk-based development.

# EXPERIENCE

[**BestRx Pharmacy Software**](https://eclipsemining.com/) *Oak Brook, IL*

## **.NET Engineer | RedSail Technologies Feature Integrations, BestRx POS and BestRx Subscriptions** Aug 2023 – Apr 2024

* Built an automated insurance claims system, reducing manual processing by 50%, improving claims accuracy by 35%, and increasing operational efficiency by 25%. (**Data analysis and reporting**)
* Implemented a lookup screen to track request history and view incoming transfer requests for prescriptions, enhancing efficiency by 40%. (**Data visualization**)

**Maxil Technology Solutions** *Oak Brook, IL*

## **Software Developer| MaxJobs** May 2024 – Present

* Engineered a resume-building feature using AngularJS and SQL Server, focusing on enhancing user experience and system performance, which aligns with full-stack development.
* Designed a dynamic learning system using AngularJS, MongoDB, and OpenAI APIs, emphasizing innovation in creating personalized content and improving user engagement and development. (**Data analysis and reporting**)

**University of Florida** *Gainesville, FL*

## **Data Management Analyst (Level 2)** Jun 2023 – Aug 2023

* Architected a React and TypeScript dashboard with Chart.js for longitudinal data visualization, boosting research efficiency by 80%, and integrated comment boxes for inference annotation. (**Data visualization**)
* Implemented automated alerts using Twilio’s messaging and emailing capabilities to reduce missed patient appointments, increasing participation and response rates by 210%. (**Data analysis and reporting**)

## **Graduate Assistant** Apr 2022 – May 2022

* Engineered APIs for payment processing and user-license management using Node.js, Express, and MongoDB, integrating Stripe as the payment gateway and implementing secure authentication with JWT, which increased revenue and catalyzed stakeholder engagement and customer acquisition. (**Customer Focus and Design**)

[**AutoReview.ai**](https://eclipsemining.com/) *Gainesville, FL*

## **Software and Machine Learning Engineer Intern | PermitX and PluginX** May 2022 – Dec 2022

* Developed an automated document versioning system with Azure Blob Storage and Django, reducing versioning errors by 50%. **(Data security and integrity**)
* Implemented document history tracking with Node.js and MongoDB, improving audit trail accuracy by 40%. (**Data security and integrity**)

[**Infosys**](https://eclipsemining.com/) *Chennai, TN, India*

## **Senior Systems Engineer | Vic DHHS** Jul 2018 – Jul 2021

* Redesigned system architecture using domain-driven design (DDD) and dependency injection in .NET, decreasing response times by 40%, improving code readability by 30%, and reducing endpoint testing time by 50%. (**Database performance optimization**)
* Resolved SQL Server slowness by implementing asynchronous processing and caching in .NET, reducing database load by 50% and improving performance by 40%. (**Database performance optimization**)
* Migrated 118+ SSRS reports to Power BI and transferred data from SQL Server 2005 and Oracle to SQL Server 2017, enhancing reporting efficiency and showcasing SQL Server Analytics proficiency. (**SSRS, SQL Server Analytics**)

# SKILLS & CERTIFICATIONS

* **Frameworks and Languages:** C#, Python, .NET Core, NodeJS, Typescript
* **Databases:** PostgreSQL, Microsoft SQL Server, Oracle, MongoDB, Redis SQL
* **Tools and Libraries:** Git, SQL, System Design, REST APIs, Data Analysis, Machine Learning
* **Frontend:** AngularJS, HTML, CSS, JavaScript
* **Cloud and Technologies:** Amazon Web Services (AWS), Microsoft Azure, Azure Blob Storage, AWS S3, Google Vision API, Elasticsearch, RESTful, Git, Twilio

# EDUCATION

### University Of Florida, Master of Science CS Gainesville, FL, USA

Herbert Wertheim Academic Achievement Scholarship. *Aug 2021 – May 2023*