Ganesan Santhanam

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PROFILE

Product Analyst and Software Engineer with over 4 years of experience in driving data-informed product strategies and enhancing user experiences. Operated as an integral part in development of scalable software solutions by collaborating with cross-functional teams, contributing to over $2.4M in annual product revenue. Proficient in using Python, SQL, Google Analytics, and Tableau to automate risk processes and create data visualizations, streamlining reporting and supporting strategic decisions.

EXPERIENCE

Maxil Technology Solutions — *Oak Brook, IL*
Product Analyst | 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. (**Microsoft SQL programming and 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**)

BestRx Pharmacy Software — *Oak Brook, IL*
Software 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**)

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. (Technical guidance and support)

AutoReview.ai — *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 — *Chennai, TN, India*
Senior Systems Engineer | Vic DHHS — *Mar 2020 – 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**)

Systems Engineer | Vic DHHS — *Jul 2018 – Mar 2020*

- 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:** NodeJS, Express.js, Django, Python, C#, VB.NET, .NET
- **Databases:** PostgreSQL, Microsoft SQL Server, Oracle, MongoDB, Cassandra, Redis, Redis SQL
- **Tools and Libraries:** Tableau, Git, SQL, System Design, REST APIs, Data Analysis, Machine Learning
- **Frontend:** React.js, AngularJS, Bootstrap, jQuery, HTML, CSS, JavaScript
- **Cloud and Technologies:** Amazon Web Services (AWS), Microsoft Azure, Azure Blob Storage, AWS S3, Google Vision API, Apache Kafka, Elasticsearch, RESTful, GraphQL, Git, Twilio
- **Project Management**: Azure Boards, Jira, Confluence, GitHub, Agile Methodologies, Sprint Planning, Release Management

EDUCATION

University Of Florida, Master of Science CS (GPA: 3.61/4.00) **Gainesville, FL**
Herbert Wertheim Academic Achievement Scholarship. *Aug 2021 – May 2023*

SRM Institute of Science and Technology, Bachelor of Technology in CS (GPA: 3.54/4.00) Chennai, India
Department Headliner and Technical Leader (8,142 Computer Science students) *June 2014 – May 2018*