Ganesan S

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MY IMPACT & EXPERTISE

- **Backend Engineering & Data Expertise**: Specialized in building scalable **microservices**, **RESTful APIs**, and optimizing relational/**NoSQL databases** with a strong focus on performance and efficiency.
- **Cloud & Modernization Leadership**: Successfully modernized legacy systems with cloud migrations and implemented cutting-edge architectures using **.NET**, **Django**, **NodeJS**, and **Docker**.
- **Collaboration & Problem-Solving**: Proven ability to collaborate across teams and geographies, delivering high-quality software solutions in ambiguous environments.

TECHNICAL SKILLS

Backend & Databases: C#, Python, JavaScript (ES6+), TypeScript, SQL Server, MongoDB, Redis, Apache Kafka, GraphDB, Docker, VSTO, Interop Libraries

Frameworks: ASP.NET Core, WPF, ReactJS, Redux, Node.js, Django, REST/Web APIs, Entity Framework, TensorFlow, Unit Testing Frameworks (NUnit, xUnit)

Cloud & Tools: AWS (S3, Lambda, RDS), Azure (VMs, Blob Storage), GitHub Actions, Docker, Tableau, Splunk, RabbitMQ

Soft Skills: Product Feedback Integration, Design Patterns, Agile, Customer Centric, On-Call Support, Extreme Ownership, Experimentation, UX Principles, Database Design

PROFESSIONAL EXPERIENCE

Maxil Technology Solutions   May, 2024 — Present
Software Engineer   *Oak Brook, IL*

Product Description: Job Board for contract IT roles

- Engineered a clickstream analysis **microservice** on user interactions using **Celery**, **ReactJS**, and **MongoDB**, resulting in a **15% increase in job posting views**.
- Maximized page responsiveness and reduced **Time To First Byte (TTFB)** by **20%** through query result caching, stored procedures, and optimized indexing on **AWS (DynamoDB, RDS)**, using **Node.js with TypeScript**.
- Containerized **microservices** using **Docker** to improve deployment efficiency and scalability.

BestRx Pharmacy Software   Aug, 2023 — Apr, 2024
Software Engineer   *Oak Brook, IL*

Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- Improved prescription compliance by building a prescription transfer request tracking system via a **RESTful Backend as a Service (BaaS) API** using **ASP.NET Core**, **XML ORM**, and **ReactJS**.
- Developed an automated insurance claims system using **object pooling in C#**, accelerating reimbursements, enhancing revenue recovery, and ensuring **HIPAA compliance**.
- Delivered in-depth drug safety information to patients at the point of sale using **.NET WPF Forms (JavaScript, HTML, and C#)**, linking prescriptions with **Medi-Span data** maintained in a **SQL database**.
- Standardized product troubleshooting by implementing **structured logging with correlation IDs** using **.NET**, **Serilog**, and **unit testing frameworks**.

Autoreview.ai   May, 2022 – Dec, 2022
Software Engineer Intern, AI/ML   *Gainesville, FL*

Product Description: Document Manager for Construction Companies

- Delivered real-time GIS data to identify flood-prone sites by engineering **spatial indexing and geocoding workflows** using **PostGIS** & **Google Maps APIs** in **NodeJS**, **ReactJS**.
- Produced on-demand regulatory insight reports with **92% accuracy** by engineering a **microservice** with a **GloVe NLP model** in **TensorFlow** for sentence embeddings and a **Redis VectorDB** for embeddings dictionary.
- Streamlined product subscription handling through a **RESTful microservice** that securely generates license keys using **AES encryption**, and managed their lifecycle transitions using **Django** and **MongoDB**.

Infosys   Jul, 2019 – Jul, 2021
Software Engineer   *Chennai, India*

Product Description: Information System for Subsidized Housing

- Built multiple features and enhanced system reliability for property and contract management modules using **WPF .NET Framework 4.7.2** and **C# 6.0**.
- Created **22 Power BI report templates** with **SQL Server Integration**, and resolved issues in **96 SSRS reports** for reliable data insights.
- Migrated complex datasets from **Oracle** and **MS SQL Server 2005** to **Azure-hosted SQL Server 2017**, leveraging cloud infrastructure to enhance database performance and optimize scalability.
- Utilized **interop libraries** for seamless integration of legacy systems with modern cloud infrastructure.

EDUCATION

University of Florida   Aug, 2021 – May, 2023
Master's of Science in Computer Science   *Gainesville, Florida*