

Ganesan Santhanam

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INTRODUCTION

- Results-driven Software Engineer with 5 years of experience in designing and developing scalable web applications, RESTful APIs, and microservices using .NET Core, C.NET, and ASP.NET. Proficient in database design, cloud migrations, and modernizing legacy systems. Skilled in Agile methodologies, Azure DevOps, and CI/CD pipelines. Strong expertise in Angular, Bootstrap, and object-oriented analysis and design (OOAD). Collaborative team player with excellent communication skills and a proven track record of delivering high-quality solutions.

PROFESSIONAL EXPERIENCE

Maxil Technology Solutions

Software Engineer

May, 2024 — Present

Oak Brook, IL

Product Description: Job Board for contract IT roles

- Engineered a **scalable clickstream analysis microservice** using **Node.js, TypeScript, and AWS DynamoDB**, boosting job views by **15%**.
- Optimized API performance** by **caching query results** and refining indexes, reducing Time to First Byte (TTFB) by **20%**.

BestRx Pharmacy Software

Software Engineer

Aug, 2023 — Apr, 2024

Oak Brook, IL

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

- Built a secure prescription transfer tracking system** using **ASP.NET Core and React**, ensuring **HIPAA compliance** via encrypted audit logs and RBAC, reducing manual errors by **30%**.
- Improved system reliability** by implementing **structured logging with correlation IDs** (.NET/Serilog), cutting troubleshooting time by **40%**.

Autoreview.ai

Software Engineer Intern, AI/ML

May, 2022 – Dec, 2022

Gainesville, FL

Product Description: Document Manager for Construction Companies

- Delivered real-time GIS data for flood-prone site identification using PostGIS and Google Maps APIs in NodeJS and ReactJS.
- Engineered a microservice with a GloVe NLP model in TensorFlow and Redis VectorDB, achieving 92% accuracy in regulatory insight reports.
- Streamlined subscription handling through a RESTful microservice using Django, MongoDB, and AES encryption for secure license key generation.

Infosys

Software Engineer

Jul, 2018 – Jul, 2021

Chennai, India

Product Description: Information System for Subsidized Housing

- 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 and resolved issues in 96 SSRS reports for reliable data insights.
- Migrated legacy datasets** from Oracle/MS SQL to **Azure SQL**, improving query performance by **35%** and enabling scalability for **10,000+ users**.

TECHNICAL SKILLS

Programming Languages: C#, Python, JavaScript (ES6+), TypeScript

Frameworks & Libraries: .NET Core, ASP.NET, WPF, Angular, ReactJS, Node.js, Django, Entity Framework, Dapper ORM

Databases: SQL Server, MongoDB, Redis, Oracle, IBM DB2

Cloud & Tools: Azure (VMs, Blob Storage), AWS (S3, Lambda, RDS), GitHub Actions, Azure DevOps, Docker, Kubernetes

Others: RESTful APIs, Microservices, Apache Kafka, Serilog, Power BI, SSRS, Agile/Scrum, OOAD, CI/CD, Unit Testing

EDUCATION

University of Florida

Master's of Science in Computer Science

Aug, 2021 – May, 2023

Gainesville, Florida