Sai Bhasker Raju Chittapragada

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Professional Summary:
Results-Driven Professional with 8 + years of experience in all phases of software development seeking to combine practical experience in a dynamic IT environment with a strong background in .NET and OpenSource.

Core Skills: SPA | C# | Azure | Docker | DevOps | Databases

Professional Experience:

PwC Canada - Full Stack Developer   **Jan 2024 - Present**

Developed a system using langchain and gpt-4o that can audit any department of a company when provided with necessary knowledge base. The application is capable of producing a report in the desired form , shape and format (PDF and word) in 5-10 mins as opposed to the manual process that took 1 month previously.

- Introduced a free open source monitoring and evaluation tool called Langfuse that worked as a true alternative to langchain's inbuilt paid monitoring. I helped my firm save approximately $3000USD per MONTH.
- Reduced the annual cost of Azure OpenAI Embeddings to ZERO by using free embedding models from hugging face.
- Introduced LLMLingua to compress the input tokens which reduced Gpt-4 annual cost by 20%.

Languages: Python, TypeScript
Frameworks & Databases: NextJs , FastAPI, QDrant (Vector Database), AzureAISearch
Tools: Docker, Azure , Terraform, AzureDevops

PwC Canada - Full Stack Developer   **Dec 2020 - July 2022**

Developed a system that could Identify Payroll leakage (overpayments or incorrect payments) by leveraging AI algorithms helping big Enterprises save 100−600 on average per hourly employee annually.

- Developed an effective way to auto scale ML algorithms to meet high demand using Azure Batch.
- Implemented an efficient way to re-initialize Azure Function after Dependency Injection using Lazy Loading.
- Avoided the need to redesign the solution by introducing stateful serverless design using Durable Functions.

Languages: C#, TypeScript
Frameworks & Databases: Angular 9 , DotNet WebAPI, EF Core, Azure SQl Database
Tools: Service Bus, Durable Function , Blob Storage

Yuser - Full Stack Developer   **May 2020 - Dec 2020**

Drove the process to re-design existing mobile application to perform efficiently with less latency thus giving best UX to 4000+ active users.

- Efficiency to pull feeds is drastically improved in PRODUCTION. The latency is brought down from 2-3 secs to 40ms.
- Eliminated the use of third-party services and helped the company save $7000 per year.

Languages: Cypher, TypeScript
Frameworks & Databases: React , Express.js, MongoDB, Neo4j (Graph Database)

Education:

Master of Engineering - Software Engineering	**Sept 2019 - Aug 2020**

The University of Western Ontario, London, ON, CA
Languages: TypeScript, python, solidity
Frameworks & Databases: Angular 9 , Express.js, Truffle (Blockchain), MongoDB
Tools: Azure, Metamask
Designed a web application in Angular to buy/sell property in a secured and decentralized way and is powered by Ethereum Blockchain.

Certifications:

Azure Developer Associate	Jan 2023
Azure AI Fundamentals	Jul 2021
Neo4j Certified Professional	Sept 2020