

Sri Kalyan Chakravarthi Marri

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SUMMARY:

- Experience in designing and developing creative solutions using advanced technologies and worked with a team of talented engineers, collaborating on code reviews, unit testing, debugging, and delivering high-quality products.
- Demonstrated proficiency in crafting Multi-tier/N-Tier and Microservices Architectures and implementing core Object-Oriented Programming (OOPS) Concepts, encompassing Inheritance, Abstraction, Polymorphism, and Design Patterns.
- Profound expertise in application development using Microsoft Technologies, including .NET Framework, .Net Core, ASP.NET MVC, and C#.NET for web applications and Win Forms.

SKILLS:

Methodologies: Agile, SDLC

.NET Technologies: ASP.NET Core MVC, .NET Core, ADO.NET, .NET Framework, Entity Framework

Programming Languages: C#, Python, Java, JavaScript, HTML, CSS, MS SQL server, PL/SQL

Technologies / Frameworks: React, jQuery, Ajax, Redis, Apache Kafka, Microservices, GRPC, SOAP, Restful API's, NUnit

Cloud: App Services, Azure Functions, Azure SQL Database, Docker

IDE's / Tools: Visual Studio, SVN, Postman, Git, Jenkins, Terraform, Swagger

PROFESSIONAL EXPERIENCE:

THC , Software Engineer

MARCH 2024 – Present

- Streamlined deployment processes and enhanced scalability, reducing deployment time by 50% and improving application availability and performance.
- **Optimized frontend rendering** with React and jQuery, resulting in a more fluid user experience and improved application responsiveness.
- **Improved system performance** by 40% using .NET Core's high-performance capabilities and asynchronous programming, leading to faster data processing.
- **Automated build and deployment pipelines** with Jenkins and Terraform, reducing manual intervention and deployment errors by 60%, and enhancing development productivity.

Newgen Software Technologies, Software DESIGN Engineer

January 2019 – December 2021

- Enhanced system **scalability and modularity**, improving API response times by 20% and facilitating easier updates and maintenance.
- Implemented service registry and discovery with **Consul**, reducing service downtime and improving load balancing and reliability.
- Achieved seamless communication between multilingual services using **GRPC**, resulting in faster and more reliable data exchange.
- Ensured smooth transitions between product versions and maintained database integrity.
- **Increased extraction accuracy** by **30%** by integrating ML models, enhancing data quality and decision-making.
- Optimized UI performance with **React**, improving application responsiveness and reducing load times.
- Improved backend processing speed by 35% and reduced server load through code optimization and leveraging **.NET's** performance features.
- Enhanced database performance and query efficiency by 30% through the effective use of **stored procedures and views**, leading to faster data retrieval and reduced latency.
- Implemented **caching** mechanisms to achieve a 50% reduction in response times for frequently accessed data, decreasing server load.
- Integrated Google Vision API into the application to enhance handwritten document extraction capabilities.
- Utilized **web service protocols** effectively for seamless data exchanges and robust application interactions.
- Translated complex requirements into practical solutions for data analysis and presentation, improving reporting accuracy.
- **Enhanced system monitoring and maintenance** through advanced logging, leading to more effective issue resolution and improved system reliability.

EDUCATION:

Master's in computer science, University of Texas at Arlington

JANUARY 2022 – DECEMBER 2023

Bachelor's degree in computer science, Amrita Vishwa Vidyapeetham

JULY 2015 - MAY 2019

ACHIEVEMENTS:

- **Excellence Award at Newgen Software Technologies** for pioneering contributions to File Format Support, particularly OmniXtract.
- **Accolades for developing Intelligent IDXtract**, demonstrating commitment to excellence under tight deadlines.