

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.
- Expertly architected Monolithic and Microservices systems, leveraging core Object-Oriented Programming (OOP) principles like Inheritance, Abstraction, Polymorphism, and Design Patterns to create efficient, maintainable solutions.
- Demonstrated a comprehensive understanding of the full software development lifecycle (SDLC), driving complex projects from requirements analysis to deployment while ensuring alignment with business objectives and performance benchmarks.

SKILLS:

- **Programming Languages & Scripting:** C#, Python, Java, JavaScript, HTML, CSS
- **Databases & Caching:** MS SQL Server, Oracle, PL/SQL, MongoDB, Redis, Azure SQL Database
- **Frameworks & Libraries:** ASP.NET Core MVC, .NET Core, ADO.NET, .NET Framework, Entity Framework, Spring Boot, Spring Framework, JDBC, Hibernate, React, jQuery, Ajax
- **Cloud:** Azure (App Services, Azure Functions, Azure SQL Database), Docker, Jenkins, Terraform, SVN, Git
- **APIs, Messaging & Testing Tools:** Microservices, RESTful API's, SOAP, gRPC, Apache Kafka, Visual Studio, Postman, Swagger

PROFESSIONAL EXPERIENCE:

THC , Software Engineer

MARCH 2024 – Present

- Integrated Azure Cloud for seamless deployment 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

July 2019 – December 2021

- Improved **system scalability, modularity, and API response** times by 20%, making updates and maintenance easier.
- Boosted backend and database performance by 30-35% through **code optimization**, stored procedures, and **caching** mechanisms, resulting in faster data retrieval and reduced server load.
- Integrated Consul for **service registry and discovery**, reducing downtime and improving load balancing and reliability.
- Enhanced **multilingual service communication** with **gRPC**, speeding up data exchange and improving reliability.
- Integrated machine learning models and the Google Vision API, increasing **data extraction accuracy** by 30% and enhancing document processing capabilities.
- Strengthened system **monitoring and maintenance** with advanced logging, improving issue resolution and system reliability.

Newgen Software Technologies, Internship

January 2019 – June 2019

- 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.

PROJECTS:

E-Commerce Microservices Project | **Technologies:** .NET 8, gRPC, RabbitMQ, Yarp API Gateway, Docker, PostgreSQL, Redis

- Developed and deployed scalable e-commerce microservices using .NET 8, implementing gRPC and RabbitMQ for efficient communication.
- Integrated Yarp API Gateway for load balancing and utilized Docker for containerization, streamlining deployment and scaling.

Wikimedia Kafka Data Pipeline Project | **Technologies:** Java, Apache Kafka, Wikimedia API, Docker

- Built a real-time data pipeline in Java to stream live Wikimedia edits to Kafka topics.
- Developed Kafka consumers for data processing and deployed scalable Kafka clusters with Docker for fault-tolerant data streaming.

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.