ASHUTOSH NIGAM
Lead Software Engineer

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SUMMARY

Accomplished IT professional with over 11.6 years of expertise in software development, project management, and technical leadership. Skilled in the Microsoft .NET ecosystem (C#, .NET Core, ASP.NET), cloud platforms (AWS, Azure), and modern AI/ML technologies. Demonstrated success in architecting high-performance solutions for processing datasets over 20 GB daily. Led global teams to deliver enterprise-scale applications with 99.99% uptime, resulting in operational cost reductions of up to 40%.

SKILLS

C#, VB.NET, .NET Core, ASP.NET, MVC, Web API, Entity Framework, Blazor, WinForms, WCF, GraphQL, SQL Server, Postgres, GraphDb, AWS Neptune, MySql, AWS Aurora, RDS, SPARQL, AWS, Azure, Machine Learning, Artificial Intelligence, O-llama, Pytorch, Python, llama3.2, Crystal Reports, PowerBI, SSIS, Azure DevOps, Docker, Kubernetes, Ansible, Jenkins, TypeScript, JavaScript, jQuery, Bootstrap, PHP, Design Patterns, Airflow, Seq, Telerik Kendo UI

EXPERIENCE

Principle Software Engineer
Blackbaud

Hyderābād, India
03/2025 - Present

- Led a modernization initiative to integrate the latest Blackbaud Identity system with the legacy identity platform, ensuring zero impact on existing users.
- Modernized legacy systems and APIs by migrating to .NET Core, Azure cloud infrastructure, and microservices architecture, delivering approximately 40% performance improvement across key projects.

Lead Software Engineer
S&P Global

Hyderabad
12/2019 - 02/2025

- Designed and implemented data processing pipelines using Python and .NET Core, achieving a 60% improvement in processing efficiency for daily datasets exceeding 20 GB.
- Developed high-performance REST APIs with .NET Core and Python Flask, resulting in 40% faster data retrieval serving millions of daily requests at 2ms latency.
- Applied AWS Neptune graph database solution in EMRG project, reducing query response time by 45% and improving relationship data processing speed by 70% across millions of nodes.
- Engineered and implemented the BICS application using AWS Lambda, ECS, S3, RDS, and Airflow, achieving 99.99% uptime. Managed over 6,000 jobs with backward compatibility while collecting and processing over 10 GB of data daily.
- Enforced Apache Airflow orchestration managing 6000+ daily data pipelines, reducing manual intervention by 90%, and reducing processing time and reliable system.
- Led a cross-functional team of 10 developers, delivering 20+ applications with a 98% on-time delivery rate.
- Developed an API Code Generator Tool that accelerates the building and deployment of APIs by tenfold.

Software Engineer
NCR Corporation

Hyderabad
08/2015 - 12/2019

- Enhanced Point of Sale BackOffice module serving 150+ retail locations, reducing transaction processing time by 30% and supporting 25,000+ daily transactions.
- Developed Windows API-based monitoring system tracking 10+ metrics in real-time, reducing system downtime by 65% and improving incident response time from 8 to 2 hours.
- Optimized SQL Server data processes, reducing upload times by 60% for product updates and achieving 50% faster transaction processing.
- Built 10+ new custom Crystal Reports, automated delivery to users, saving 2+ hours weekly in manual reporting.
- Integrated 30+ customer-specific features while maintaining 99.99% system uptime and reducing customer support tickets by 15%.

Software Developer
Threshold Software Solutions

Hyderabad
06/2014 - 06/2015

- Improved user experience by 30% with responsive web applications using ASP.NET MVC and Bootstrap.
- Executed WCF REST services for seamless data integration between different system modules.
- Created optimized SQL Server stored procedures and indexes, reducing query execution time by 40%.

EDUCATION

Master of Technology in Artificial Intelligence
Indian Institute of Technology Jodhpur

Jodhpur, India
2025 - Present

MCA in Artificial Intelligence and Machine Learning
Amity University

Noida
01/2022 - 12/2024

Bachelor of Science in Information Technology
SSCIT Rewa (MCNUJC Bhopal)

Rewa
07/2006 - 06/2009