

ASHUTOSH NIGAM

Lead Software Engineer

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SUMMARY

Accomplished IT professional with over 10.5 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%.

KEY ACHIEVEMENTS

Successful Project Delivery

Led delivery of 10+ applications with 98% on-time rate.

Application Uptime

Achieved 98% uptime for enterprise applications, saving 40% operational costs.

Data Processing Efficiency

Improved data processing efficiency by 60%, handling 20 GB+ daily datasets.

Transaction Time Reduction

Reduced transaction time by 30%, supporting 25,000+ daily operations.

SKILLS

C#, VB.NET, .NET Core, ASP.NET, MVC, Web API, Entity Framework, Blazor, WinForms, WCF, React, GraphQL, SQL Server, Postgres, GraphDb, AWS Neptune, MySQL, AWS Aurora, RDS, SPARQL, AWS, Azure, Machine Learning, Artificial Intelligence, Ollama, 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

Lead Software Engineer

Hyderabad

S&P Global

12/2019 - Present

- 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

Hyderabad

NCR Corporation

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

Hyderabad

Threshold Software Solutions

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

M. Tech in Artificial Intelligence

Indian institute of Technology, Jodhpur

Jodhpur

01/2025 - 02/2027

MCA in Artificial Intelligence and Machine Learning

Amity University

Noida

01/2022 - 12/2024