

Gaurav Ashish

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SUMMARY

Results-oriented Software Engineer with **2+ years of experience** specializing in **AWS serverless architecture, .NET development, and cloud modernization**. Successfully optimized infrastructure, achieving **40% cost reduction** and improved system scalability. Adept at following **SOLID principles, design patterns, and Test-Driven Development (TDD)** to deliver efficient software solutions. Passionate about building **high-performance APIs, modernizing legacy applications, and enhancing cloud efficiency**. Seeking a full-time role to drive impactful innovations.

SKILLS

Programming Languages:

C#, HTML/CSS, Javascript

Libraries/Frameworks :

Dotnet, React

Tools / Platforms:

Git/GitHub, VS Code, VS 2022, Docker

Databases :

MySql, MongoDB

AWS

AWS Lambda, Containers, EventBridge, FARGATE, SNS, SQS, API Gateway, S3, Secrets Managers

WORK EXPERIENCE

Member of Technical Staff

Aug 2022 – present | Bengaluru, India

First American India

1. API Development

- Experience developing high-performance **RESTful** APIs using **C#, .NET Core, and Web API**, enhancing application efficiency, and reducing response times.
- Wrote **Comprehensive unit and Integration tests** using **NUnit** and **Moq**, resulting in a 60% reduction in post-release defects and improved deployment confidence.
- Followed **SOLID principles** and Clean Architecture for scalable and testable API codebases.
- Actively participated in sprint planning, daily scrums, and retrospectives, helping the team deliver high-quality features using Agile methodologies.

2. Migration to AWS

- Successfully transitioned server-based applications to serverless architecture using **AWS Lambda, Containers, and AWS EventBridge**, achieving a **40% reduction in infrastructure costs**, and improved system flexibility.
- Demonstrated **AWS, .NET, and C#** expertise, contributing to the organization's technological advancement.
- Played a key role in adopting modern application development practices, resulting in improved efficiency and streamlined workflows.
- Migrated background jobs and APIs to **AWS Fargate and EKS**, optimizing cloud infrastructure, and enhancing scalability for mission-critical applications.
- Proficient in implementing **OpenSearch** for real-time log analytics and monitoring, enabling seamless handling of large-scale data.

3. Legacy Application Modernization

- Implemented modern UI changes and functional improvements, enhancing user experience and application efficiency.
- Replaced outdated controls with modern libraries for better maintainability and system performance.
- Fixed vulnerabilities and improved logging and monitoring for better debugging and maintenance.
- Extracted and documented **undocumented business rules** through reverse engineering, stakeholder interviews, and analyzing usage patterns to ensure accuracy in the new system.

4. ChatBot Integration

- Developed a serverless **Retrieval-Augmented Generation (RAG)** chatbot on AWS, enhancing **Large Language Models (LLMs)** with private data using **Amazon Bedrock** and **Amazon Kendra**.
- Implemented a serverless architecture with **AWS Lambda**, simplifying deployment and maintenance while ensuring secure access to proprietary data.
- Used **Amazon API Gateway** to expose chatbot endpoints with rate-limiting, logging, and authentication via **AWS Cognito**.

PROJECTS

Price Comparison Tool [↗](#)

- A Python-based tool to retrieve the latest prices for accurate comparisons across multiple e-commerce platforms, specifically **Amazon** and **Flipkart**.
- Employed **web scraping methodologies to extract real-time pricing data from e-commerce websites**, ensuring accurate and up-to-date information for users.
- Designed and implemented an intuitive graphical user interface (GUI) for 'PriceCompare', facilitating seamless user interactions and efficient product searches.

Voice Assistant [↗](#)

- Created a voice assistant using Windows web forms in **C#**.
- The voice assistant can perform basic tasks like providing information, opening applications, and more, all through voice commands.

EDUCATION

B.E - Computer Science

2018 – 2022

SJB Institute of Technology

- CGPA :- 8.33

AWARDS

Winner, Q4 Top Performer Award - 2023

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Nominated , Rising Star in Annual Reward - 2024

First American India

CERTIFICATES

- AWS Essential Training for Developers - LinkedIn [↗](#)
- Career Essentials in Generative AI by Microsoft and LinkedIn [↗](#)