Aditya Yenuganti

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PROFILE

Experienced Full Stack Software Engineer skilled in **ASP.NET Core,** and **Azur**. Proficient in designing scalable applications, building RESTful APIs, and streamlining deployments with CI/CD pipelines. Expertise in **microservices architecture, distributed systems,** and **secure authentication**. Demonstrated ability in **applying advanced JavaScript techniques**, and **scalable backend development**. Recognized for mentoring teams, collaborating with stakeholders, and delivering high-quality solutions. Dedicated to leveraging cutting-edge technologies for improved system reliability, scalability, and continuous improvement.

EDUCATION

Roosevelt University, USA, Dec 2024, Master of Science, Computer Science*,* **GPA 3.44 .**
Himalayan University, India, May 2018, *Bachelor of Computer Application.*

SKILLS

Programming: Java, C#, Python, ASP.NET, Node.js, TypeScript, Spring Boot, Data Structures, Algorithms
Web Technologies: HTML, JavaScript (ES6+), CSS, Angular, React
Development Tools: IntelliJ, Eclipse, Visual Studio, VSCode, Git, Docker
Cloud Technologies: AWS (S3, CloudWatch, IAM, SNS, SQS, API Gateway, EC2, Lambda), GCP(IAM, APP Engine, Compute Engine, GKE, Cloud SQL, Cloud build).
Monitoring and Observability: New Relic, Splunk
Methodologies: Agile, SCRUM, Functional Programming, Object-Oriented Programming

PROFESSIONAL EXPERIENCE

OnWyse Solutions Modesto,CA
Software Engineer Feb 2024 – Now

- Developed a scalable ERP system using .NET 6, C#, and Angular, digitizing academic and financial workflows across departments.
- Engineered responsive Angular interfaces with Material Design for real-time dashboards, data visualization, and seamless cross-device accessibility.
- Optimized Azure SQL Database schemas, indexes, and stored procedures, improving query performance and reporting efficiency by 30%.
- Built RESTful APIs in ASP.NET Core for secure data exchange between front-end, backend services, and third-party systems.
- Leveraged Entity Framework Core (EF Core) and LINQ for clean Object-Relational Mapping and advanced data transformations.
- Implemented JWT- and OAuth2-based authentication, integrating with Azure Active Directory (Azure AD) for centralized identity and role-based access control.
- Adopted Azure Service Bus and Event Grid for asynchronous message handling and real-time event-driven workflows.
- Integrated Background Services and asynchronous processing with IHostedService to improve responsiveness under high concurrency.
- Automated unit and integration testing using xUnit and Moq, maintaining over 90% code coverage across ERP modules.
- Established CI/CD pipelines in Azure DevOps, integrating with Terraform and YAML pipelines for infrastructure as code and automated deployments.
- Deployed microservices to Azure Kubernetes Service (AKS), managing container images via Azure Container Registry (ACR) for consistent versioning.
- Utilized Azure Blob Storage for secure document management and Azure Functions for lightweight automation and background jobs.
- Configured Azure Monitor, Application Insights, and Log Analytics for observability, incident response, and proactive performance tuning.

Cognizant Technology Solutions Bangalore**,** IN

Software Engineer, Associate Mar 2020 – Aug 2023

- Designed and maintained scalable full-stack applications using ASP.NET Core and Angular, building RESTful APIs for high-volume ERP and financial workflows.
- Implemented modular microservices architecture, improving scalability, code maintainability, and inter-service communication efficiency.
- Utilized Entity Framework Core (EF Core) and LINQ for optimized data persistence and transformation logic across distributed services.
- Integrated JWT and OAuth2 authentication with Azure Active Directory (Azure AD) for secure identity and role-based access management.
- Developed automated API test suites with xUnit, Moq, and Postman, reducing manual QA cycles and improving release confidence.
- Optimized T-SQL procedures and queries in Azure SQL Database, lowering query latency by 15% and accelerating data accessibility for reporting.
- Migrated legacy .NET applications to Azure microservices deployed on Azure Kubernetes Service (AKS), reducing infrastructure costs by 20%.
- Used Terraform to provision and manage Azure resources (App Services, AKS, ACR, SQL, Key Vault), enabling secure, reproducible IaC workflows.
- Integrated Terraform modules into Azure DevOps CI/CD pipelines, supporting automated provisioning and zero-downtime deployments.
- Automated deployment workflows with Ansible and Terraform, cutting deployment time by 50% and improving environment consistency.
- Built asynchronous messaging pipelines using Azure Service Bus and Event Grid, enhancing system scalability and reliability.
- Configured Azure Monitor, Application Insights, and Log Analytics to track API health, performance metrics, and end-to-end error flows.
- Contributed to internal documentation and knowledge-sharing sessions to promote best practices across the team.
- Assisted in diagnosing and resolving production issues during on-call rotations using log analysis and debugging tools, contributing to reduced incident resolution times.
- Integrated internal and third-party APIs to support authentication workflows, improving interoperability and reducing manual coordination between services.

Jupiter Orison Delhi, IN

Software Engineer Jun 2018 – Mar 2020

- Developed and deployed a comprehensive School ERP platform using ASP.NET Core and Web APIs, digitizing end-to-end operations across academics, billing, and administration.
- Implemented dynamic billing and invoicing modules, automating fee generation, payment tracking, and financial report generation for multiple departments.
- Integrated payment gateways (PayPal, Razorpay) to support real-time fee collection with instant transaction validation and automated receipt generation.
- Engineered academic workflows for lesson plan management, assignment uploads, digital content distribution, and syllabus progress tracking.
- Applied Multi-Factor Authentication (MFA) and role-based access control (RBAC) to strengthen user authentication and protect student data.
- Automated marks upload and performance analytics, delivering insightful dashboards and grade distribution reports for teachers and administrators.
- Built digital content and assignment modules, reducing manual workloads for teachers by 30% and streamlining document sharing.
- Designed newsletter and announcement modules to enhance communication and engagement among students, parents, and faculty.
- Mentored a team of 3 developers, conducted peer code reviews, and facilitated Agile ceremonies including sprint planning and retrospectives.
- Ensured a responsive, accessible, and user-friendly UI using AngularJS and Bootstrap, adhering to MVC architecture and secure API design principles.

- Automated recurring administrative tasks through Windows background services and scheduled jobs, reducing manual intervention by 40%.

PROJECT HIGHLIGHTS

- **Student Enrollment Application** Utilized **Angular** to create a responsive and user-friendly interface, enabling students to easily navigate through the registration process and access essential information. Developed a robust back end using **Java** and **Spring Boot,** which efficiently handled requests, managed session data, and interfaced with the **MySQL** database to store and retrieve student information. Configured and maintained a MySQL Workbench database, which included designing schemas and tables to ensure data integrity and optimize query performance.

ADDITIONAL INFORMATION

- **GCP Associate Cloud Engineer**
  https://www.credly.com/badges/5640b6fc-46eb-4388-9401-2796e8eb5aff/public_url
- Passionate about continuous learning and applying cutting-edge technologies to solve real-world problems.