

Aniketh Goud Kanthi

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Results-driven Software Engineer with expertise in C#, .NET, ASP.NET, React, SQL Server, and Azure. Skilled in developing enterprise applications, cloud-based solutions, and data pipelines, optimizing performance, security, and scalability. Proven ability to streamline workflows, enhance system reliability, and implement automation to drive efficiently. Strong background in CI/CD, API development, and cloud infrastructure, ensuring seamless integration and operational excellence.

SKILLS

Technologies: C#, Angular, React, HTML, CSS, HTTPS, JSON, JavaScript, TypeScript, Python, REST

Frameworks & Libraries: MVC, Asp.Net, Web API, Entity Framework, Git

Databases: MySQL, Azure Database

Software: Visual Studio, Eclipse, GitLab, GitHub, ServiceNow, Jira, Docker, Figma, PowerBI, Tableau, Azure

Methodologies: Agile methodology, Scrum, CI/CD

Practices: Software engineering practices, User experience

WORK EXPERIENCE

Tata Consultancy Services

Remote

Systems Engineer -C1

Apr 2022 - Nov 2022

Expertise: C#, ASP.NET, React, SQL Server, Azure, Data Engineering

- Developed and optimized cloud-based solutions using C#, .NET, and ASP.NET Core, enhancing system reliability and minimizing downtime.
- Provided operational support and performance optimization for applications hosted on Azure, ensuring seamless functionality and minimal disruptions.
- Designed and implemented RESTful APIs, improving application integration, scalability, and data flow efficiency.
- Collaborated with Enterprise Software Support and Professional Services teams to resolve escalated cases, reducing resolution time and improving client satisfaction.
- Monitored and maintained Azure cloud infrastructure, ensuring high availability, security, and performance.

Accenture

Hybrid

Senior Software Engineer

Nov 2019 - Apr 2022

Expertise: C#, ASP.NET, React, SQL Server, Azure, Data Engineering

- Developed enterprise-grade applications using C#, WPF, ASP.NET, React, and SQL Server, streamlining business processes and improving operational efficiency.
- Engineered an automated ticket management system, integrating real-time tracking, task assignment automation, and SQL Server-based data management, reducing manual effort by 60% and optimizing workflow efficiency.
- Designed and deployed secure authentication systems, implementing Role-Based Access Control (RBAC), OAuth, and secure credential management to enhance security compliance and user access control.
- Ensured compliance and data integrity through ACID transaction controls, encryption, and access control policies, enhancing governance and security.
- Led testing and deployment processes, conducting unit, integration, and security testing (NUnit, MSTest) while utilizing CI/CD pipelines (Azure DevOps, Jenkins) for automated builds, deployments, and application monitoring.
- Built scalable data pipelines on Azure, leveraging Azure Data Factory, Databricks, and Power BI to enable real-time business intelligence, data transformation, and performance monitoring.
- Optimized system performance and data processing by implementing caching strategies, database indexing, and ETL automation, reducing response time by 40%.

University of Maryland Baltimore County

Teaching Assistant

Baltimore, MD

Aug 2024 - Present

- Led student groups in designing and implementing user interfaces for VR headsets, ensuring alignment with best practices in user experience and interaction design.
- Provided personalized mentorship to students, offering feedback on interface designs and advising on iterative improvements to refine user interactions in immersive environments.
- Facilitated hands-on workshops, empowering students to apply design theories in VR contexts, ensuring they developed both technical skills and a strong design mindset.
- Collaborated with faculty members to enhance the curriculum by integrating real-world case studies and modern software development methodologies.

Reliance JIO

UI Intern

Hyderabad, India

May 2018 - Jul 2018

- Built an industrial application using JavaScript to display areas with weak signal strength, improving network optimization efforts
- Developed a front-end interface using CSS and JavaScript to visualize network signals and traffic across regions, enhancing data accessibility for network analysis
- Gained hands-on experience using tools like Eclipse and Jira in a professional business environment, contributing to consumer-centric projects

PROJECTS

Automated Ticket Management System

Technologies: C#, WPF, ASP.NET, SQL Server

- Designed and developed an internal Windows application using C#, WPF, and ASP.NET, streamlining the client-side scrum process.
- Implemented core functionalities for ticket tracking, automatic prioritization, and task assignment, reducing manual effort and improving efficiency.
- Integrated SQL Server to manage ticket data, ensuring real-time updates and seamless tracking.

Testing & Deployment Process

- Conducted unit testing (NUnit, MSTest) to ensure reliability and performance across different use cases.
- Performed integration testing to validate API interactions and data consistency.
- Led UAT (User Acceptance Testing) with stakeholders to align with business needs and gather feedback.
- Deployed the application on Windows Server/IIS, ensuring scalability, security, and minimal downtime.

Impact

- Improved task allocation efficiency by automating ticket prioritization, reducing manual intervention by 60%.
- Reduced turnaround time for resolving client issues, enhancing overall team productivity.
- Provided a scalable and user-friendly solution that enhanced visibility into the development lifecycle.

B2B Authentication and Login System

Technologies: React, ASP.NET MVC, Web API, SQL Server

- Designed and developed a secure B2B authentication and login system using React, ASP.NET MVC, and Web API, ensuring robust authentication and authorization mechanisms.
- Implemented Role-Based Access Control (RBAC) to enforce granular security policies, restricting unauthorized access to sensitive business resources.
- Integrated SQL Server for efficient user data management, session handling, and secure credential storage.
- Developed and optimized RESTful Web APIs for seamless communication between the front-end (React) and back-end (ASP.NET MVC, Web API) components.

- Enhanced performance by implementing caching strategies (Redis, MemoryCache) and database indexing, reducing authentication response time by 40%.
- Conducted comprehensive testing (unit, integration, and security testing) to validate authentication protocols, mitigate security vulnerabilities (SQL injection, XSS, CSRF), and ensure application stability.
- Deployed and monitored the system using CI/CD pipelines (Azure DevOps, Jenkins) for automated builds, deployments, and logging.

Impact:

- Strengthened security and compliance by implementing multi-layer authentication measures.
- Improved user authentication efficiency, reducing login latency and enhancing B2B partner experience.
- Delivered a scalable and high-performance authentication solution, supporting thousands of concurrent logins without performance degradation.

Azure Data Pipeline for Real-Time Insights

Technologies: Azure Data Factory, Databricks, Azure Functions, Azure Analysis Services, Power BI

- Designed and implemented an end-to-end Azure data pipeline to process and refine raw data from Databricks, enabling real-time business analytics.
- Automated ETL workflows using Azure Data Factory, extracting, transforming, and loading data into Azure Analysis Services for efficient data processing.
- Developed scalable and optimized data solutions, improving real-time data processing and analytical capabilities.
- Integrated Azure Functions to streamline data transformation, orchestration, and performance optimization within the pipeline.
- Implemented security measures, including role-based access control (RBAC), encryption, and compliance monitoring, ensuring data integrity and governance compliance.
- Enhanced reporting and visualization by integrating Azure Analysis Services with Power BI, enabling real-time insights for business decision-making.

Impact:

- Improved data processing efficiency, reducing latency and time-to-insight for business analytics.
- Strengthened data governance and compliance by enforcing access controls and audit mechanisms.
- Optimized Power BI reporting, enhancing real-time data visualization and consumer impact.

Custom Database Management System Using Oracle PL/SQL

Technologies: Oracle PL/SQL, SQL, Stored Procedures, Indexing, ACID Compliance

- Designed and developed a custom database management system (DBMS) like MySQL using Oracle PL/SQL, optimizing data organization, processing, and storage.
- Implemented CRUD (Create, Read, Update, Delete) operations, enabling efficient and seamless data management with robust query execution strategies.
- Enhanced search performance and query efficiency by designing advanced indexing techniques (B-Tree, Bitmap Indexing) and query optimization strategies.
- Developed and optimized stored procedures, triggers, and functions to automate data validation, transformation, and processing, improving database performance and reliability.
- Ensured data integrity and consistency by implementing ACID (Atomicity, Consistency, Isolation, Durability) compliance, referential integrity constraints, and transaction control mechanisms.
- Conducted performance tuning and database optimization to reduce query execution time and improve system responsiveness.

Impact:

- Optimized database efficiency, reducing query execution time and improving overall performance.
- Strengthening data integrity and security by enforcing ACID compliance and robust transaction management.
- Developed a scalable and high-performance Oracle database solution, ensuring reliable data processing for

enterprise applications.

CERTIFICATIONS

- Microsoft Azure – Az900
- NeuroSymbolic AI – IBM Certified

EDUCATION

University of Maryland Baltimore County

Masters, Information systems

2023 – 2024

GITAM University

Bachelors, Electronics and Communication engineer

2015 – 2019

Relevant Courses: Operating Systems, Basics of Data Structures, Introduction to Programming Languages