

# Aniketh Goud Kanthi

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Results-driven Software Developer 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

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**Technologies:** C#, Angular, React.js, HTML, CSS, HTTPS, JSON, JavaScript, TypeScript, Python, REST, Jenkins, DevOps

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

**Databases:** MySQL, Azure Database

**Software:** Visual Studio, Microsoft office, GitLab, GitHub, ServiceNow, IIS, Jira, Docker, Figma, PowerBI, Tableau, Azure

**Methodologies:** Agile methodology, Scrum, CI/CD

**Practices:** Software engineering practices, User experience

## WORK EXPERIENCE

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### Tata Consultancy Services

Remote

Systems Engineer -C1

Apr 2022 - Nov 2022

*Expertise: C#, ASP.NET, React.js, 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 2021 - Apr 2022

*Expertise: C#, ASP.NET, React.js, 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.

Application Developer Associate

Nov 2019 - Nov 2021

- Configured and managed IIS (Internet Information Services) for web application deployment, optimizing

performance, security, and request handling.

- Implemented DNS server configurations and redirections, ensuring seamless domain resolution and efficient traffic routing to client websites.
- Optimized system performance and data processing by implementing caching strategies, database indexing, and ETL automation, reducing response time by 40%.
- Leveraging technological adaptability and problem-solving skills, I developed and managed ServiceNow dashboards to enhance reliability in tracking quarterly performance metrics and Scrum team progress.
- Led on-bridge calls for security updates and patch installations on all production and stage servers, leveraging parallel processing and distributed platforms to maximize deployment efficiency, providing minimal downtime and zero site disruptions while improving system scalability.

### University of Maryland Baltimore County

Teaching Assistant

Baltimore, MD

Aug 2024 – Dec 2024

- 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

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### 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.js, 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 & Award**

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- Microsoft Azure – Az900
- NeuroSymbolic AI – IBM Certified

## **EDUCATION**

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**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