Vishnu Kiran Dabbara
✥ Ohio, United States ☎ vishnuyuva.dabbara@gmail.com ✉ +1 (330) 795-1271
LinkedIn | GitHub | Portfolio

Summary

.NET Full Stack Developer with 5 years of experience in building scalable web applications using C#, .NET Core, ASP.NET MVC, and front-end technologies Angular and React.js. Proficient in developing RESTful APIs, Microservices, and database solutions with SQL Server and PostgreSQL. Skilled in cloud deployment with AWS (EC2, S3, RDS, Lambda) and DevOps tools Docker, Kubernetes, and CI/CD pipelines. Strong understanding of authentication, security, and performance optimization.

Education

Master Computer Science and Information Systems	**Aug 2022 - Dec 2023**
Youngstown State University, United States	
Bachelor of Technology Computer Science and Engineering	**Jun 2014 - Jul 2018**
MIC College of Technology, India	

Skills

- **Languages & Frameworks:** C#, .NET Core, ASP.NET MVC, JavaScript, Angular, React.js, Python, PowerShell, Java, Node.js
- **Backend Development:** RESTful APIs, Microservices, Entity Framework Core, LINQ, SignalR, OOP,
- **Database Management:** SQL Server, PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, MSSQL, Oracle
- **Cloud Technologies:** AWS (EC2, S3, RDS, Lambda, CloudWatch), Azure Services
- **DevOps & CI/CD:** Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Azure DevOps
- **Testing & Security:** NUnit, xUnit, Moq, OAuth 2.0, JWT, RBAC
- **Version Control & Agile:** Git, Bitbucket, Agile (Scrum/Kanban), JIRA, Confluence

Experience

Nokia, Dallas, TX   **Feb 2024 - Current**
 Dot.NET Developer

- Architected and developed cloud-native microservices using .NET Core, ASP.NET Web API, C#, and Kubernetes to optimize telecom network orchestration and implement a robust 5G Core (5GC) service-based architecture.
- Integrated an event-driven architecture using Apache Kafka to process high-volume network telemetry data, enhancing real-time 5G resource allocation and reducing event ingestion latency by 60%.
- Developed distributed caching strategies with Redis to improve API responsiveness and lower latency by 50% in high-throughput telecom data pipelines.
- Implemented secure OAuth 2.0 and JWT-based authentication via Azure API Management, maintaining adherence to 3GPP security standards and protecting sensitive network operations.
- Optimized SQL Server performance with advanced indexing, partitioning, and parallel execution plans, cutting query execution times by 45% for mission-critical reporting.
- Enhanced network monitoring dashboards using React.js and SignalR to provide real-time congestion analysis and dynamic traffic routing insights for improved operational visibility.
- Automated deployments with Infrastructure-as-Code using Terraform and Helm, integrated with CI/CD pipelines in Azure DevOps and centralized logging via the ELK Stack, reducing provisioning efforts and incident resolution times by over 40%.

Krisfo Infotech Pvt Ltd, Bengaluru, India   **Nov 2020 - Jul 2022**
Software Engineer

- Designed and developed enterprise-grade banking passbook APIs using .NET Core, C#, ASP.NET Web API, and Entity Framework Core to support secure, real-time passbook updates and transaction processing with ISO 8583 messaging.
- Integrated transaction logging and audit trails using Apache Kafka with MongoDB, ensuring full compliance with RBI, PCI DSS, and SOX regulations for passbook printing and customer transaction security.
- Implemented multi-threaded job processing and background task scheduling using Hangfire, achieving a 60% reduction in passbook update processing time and improving throughput.
- Secured banking passbook applications with AES-256 encryption, TLS 1.3, and OAuth 2.0 authentication, enforcing robust role-based access control (RBAC) to protect sensitive customer financial records.
- Optimized passbook printing database performance with SQL Server column store indexing, table partitioning, and materialized views, resulting in a 45% improvement in passbook update retrieval speeds.
- Migrated legacy passbook printing applications to a containerized AWS infrastructure utilizing AWS ECS, RDS, and AWS CodePipeline, yielding a 30% reduction in operational costs and improving system reliability.
- Automated passbook printing workflow orchestration with AWS Step Functions and AWS Lambda, streamlining customer transaction reconciliation and reducing manual intervention by 70%.

GET AI (formerly Ai-Bots Tech Private Limited), Bengaluru, India   **Jul 2018 - Oct 2020**
Software Engineer

- Developed an enterprise-grade RPA platform using .NET Core, C#, ASP.NET MVC, and WPF, enabling drag-and-drop workflow automation for business processes, reducing manual intervention by 70%.
- Designed and implemented a visual workflow designer using Windows Workflow Foundation (WF), allowing users to create automation sequences without coding.
- Developed custom activity libraries for Phoenix RPA Studio using C# and XAML, enabling seamless automation of Windows, Web, and Citrix applications.
- Integrated REST and SOAP web services into RPA workflows to enable interaction with external banking, ERP, and CRM systems.
- Developed a role-based access control (RBAC) system using Azure Active Directory (AAD) and OAuth 2.0, ensuring secure authentication and user permissions for RPA execution.
- Built and optimized database interactions using Entity Framework and SQL Server, improving query performance for storing workflow execution logs and transaction history.
- Deployed RPA components in a distributed architecture using Azure Virtual Machines (VMs) and Azure Service Bus, ensuring high availability and scalability for automation workloads.
- Enhanced exception handling and logging mechanisms using Serilog and Azure Application Insights, improving system observability and debugging efficiency.
- Automated CI/CD pipelines with Azure DevOps, enabling faster deployment of RPA workflow updates and reducing manual deployment efforts by 60%.