

# BINDU A

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## PROFESSIONAL SUMMARY

Full-Stack .NET Developer with 4+ years of experience designing and delivering scalable, secure, and high-performing enterprise applications. Proficient in **ASP.NET Core (3.1/5/6)**, **C#**, **Entity Framework**, and **SQL Server**, with strong expertise in **Angular**, **React**, and **modern UI frameworks** for building responsive and intuitive front ends. Skilled in developing **RESTful APIs**, **microservices**, and **middleware integrations**, ensuring seamless communication across distributed systems. Hands-on experience with **Microsoft Azure** (App Services, Storage, SQL Azure, Service Bus, DevOps pipelines) for cloud-native development, deployment, and monitoring. Adept at **CI/CD automation**, **containerization (Docker, Kubernetes)**, and **Agile/Scrum methodologies**, reducing release cycles and improving reliability. Strong background in **security best practices (JWT, OAuth2, Identity Server, Azure AD)**, **performance tuning**, and **DevOps collaboration** to drive system scalability and compliance. Recognized for delivering business critical solutions that boost efficiency, reduce operational costs, and enable innovation through modern .NET technologies.

## TECHNICAL SKILLS

**Programming Languages:** C#, .NET Framework (4.x), .NET Core (3.1/5/6/7/8), SQL, JavaScript (ES6+), TypeScript, VB.NET, java

**Web Development & Frameworks:** ASP.NET Core MVC, ASP.NET Core Web API, RESTful Services, WCF, Entity Framework 6 / EF Core, LINQ, Spring Boot, Blazor, Razor Pages, jQuery, AngularJS, Angular (10–16), React.js

**Front-End Technologies:** HTML5, CSS3, Bootstrap 4/5, Angular Material, JSON, XML, RxJS, AngularJS, Breeze.js

**Databases & Tools:** Microsoft SQL Server (2012 – 2022), Oracle (basic queries and schema design), T-SQL, Stored Procedures, Query Optimization, Indexing, Triggers, SQL Profiler, SSIS, SSRS, MySQL, MongoDBbySQL, MongoDB

**Development Tools & IDEs:** Visual Studio 2022/2019, Visual Studio Code, Microsoft IIS, SQL Server Management Studio (SSMS), Postman, Swagger, PowerShell

**Version Control & CI/CD:** Git, GitHub, Azure DevOps (Repos, Pipelines, Boards), Jenkins, CI/CD Pipelines, Terraform, Docker, Kubernetes

**Testing Frameworks:** xUnit, NUnit, Moq, Jasmine, Karma, Selenium, Postman, Test-Driven Development (TDD), Behavior-Driven Development (BDD)

**Cloud Platforms & Services:** Microsoft Azure (App Services, Azure SQL Database, Blob/Table/File Storage, Service Bus, Functions, Key Vault, AKS), AWS (EC2, S3, RDS), Cloud Architecture Fundamentals

**Architecture & Patterns:** Microservices, Event-Driven Architecture, Monolithic Applications, MVC, MVVM, Dependency Injection (DI), Object-Oriented Programming (OOP), SOLID Principles, Repository & Factory Patterns

**Methodologies & Project Management:** Agile, Scrum, Kanban, Sprint Planning, JIRA, Azure Boards, Confluence, Code Reviews, Pair Programming

**Other Technologies:** Node.js, Kafka, RabbitMQ, SSIS, SSRS, Dapper ORM, JSON Web Tokens (JWT), OAuth2, Identity Server, Azure AD

## EXPERIENCE

### JP Morgan Chase

*Full Stack.NET Developer*

Jan 2025 – till Date

New York, USA

- Designed and developed enterprise applications using **ASP.NET Core 7/8**, **C#**, **Web API**, and **Entity Framework Core**, ensuring modular and scalable backend architecture.
- Built responsive front-end applications using **Angular 16**, **React.js**, **HTML5**, **CSS3**, and **Bootstrap 5**, enhancing user experience and ensuring cross-platform compatibility.
- Implemented **secure authentication and authorization** with **JWT**, **OAuth2**, **Identity Server**, and **Azure AD**, enforcing role-based access control across APIs.
- Optimized **SQL Server 2019/2022** databases with stored procedures, triggers, indexing, and query tuning, reducing query response times by **30–40%**.
- Integrated **Azure Service Bus** and **Kafka** for real-time messaging, enabling reliable middleware communication in a microservices architecture.
- Automated CI/CD pipelines with **Azure DevOps**, **Terraform**, **PowerShell**, **Docker**, and **Kubernetes**, cutting release cycle times by **40%** and ensuring consistent deployments.
- Configured and deployed applications using **Microsoft IIS** and **Azure App Services**, ensuring secure and consistent multi-environment hosting.
- Collaborated directly with **business analysts** and **architects** in an on-site **Agile environment** to design and deliver financial transaction modules aligned with regulatory and security requirements.
- Created reports using **SQL Server Reporting Services (SSRS)** for analytics dashboards and audit tracking..
- Conducted unit and API testing using **Jasmine**, **Karma**, **NUnit**, **Selenium**, and **Postman**, maintaining **85%+ coverage** and reducing post-release defects.
- Collaborated in **Agile/Scrum teams** for sprint planning, daily stand-ups, and code reviews, ensuring on-time

delivery of high-quality features

- Implemented distributed caching using **Redis** and **Azure Cache for Redis** to enhance application performance and reduce dependency on **database** round-trips.

## United Healthcare

Sep 2021 – Aug 2023

*.NET Developer*

*Hyderabad, India*

- Built enterprise-grade modules using **ASP.NET Core 6/7**, **Web API**, **Blazor Server**, and **EF Core**, enabling interactive web apps without heavy **JavaScript frameworks**.
- Developed and deployed **WCF** and **ASP.NET MVC 4** applications using **.NET Framework 4.5**, implementing business logic in **C#** and integrating with **SQL Server 2012** through **ADO.NET** and **Entity Framework 6**.
- Enhanced scalability with **Redis distributed caching** and **SQL Server 2019** query optimization, improving transaction throughput by 40%.
- Developed dynamic UIs with **Razor Pages**, **Bootstrap 5**, and **custom reusable components**, ensuring a consistent user experience across devices.
- Secured applications with **Azure AD B2C**, **OAuth2.0**, **JWT tokens**, and **Key Vault**, enforcing strict compliance for authentication and secrets management.
- Deployed microservices to **Azure Kubernetes Service (AKS)** with **Docker containers** and automated scaling, ensuring resilience under peak loads.
- Automated builds and deployments using **GitHub Actions** and **Azure DevOps pipelines**, cutting release cycle times by 35%.
- Integrated **Azure Event Hub** and **Service Bus** for streaming and asynchronous workflows, enabling reliable real-time data processing.
- Conducted automated testing with **xUnit**, **NUnit**, **Selenium**, **Moq**, **Jasmine**, and **Karma**, achieving **80%+ coverage** and ensuring production stability.
- Designed proactive monitoring and alerting with **Azure Monitor**, **App Insights**, and **Grafana dashboards**, reducing system downtime by 25%.
- Integrated **CI/CD quality gates** with **SonarQube** and static code analysis tools to enforce coding standards and reduce vulnerabilities.
- Implemented **feature toggles** and **blue/green deployments**, minimizing downtime during releases and improving deployment safety.
- Utilized **Dapper ORM** alongside **EF Core** for lightweight high-performance queries where needed.
- Applied **SOLID principles**, **Dependency Injection**, and **Clean Architecture patterns** to improve maintainability and scalability.
- Leveraged **PowerShell automation scripts** for environment setup and Azure resource provisioning, improving developer onboarding speed.
- Coordinated with Agile teams using **Jira** and **Azure Boards**, participating in sprint planning, daily stand-ups, and retrospectives to deliver business-critical features on schedule.

## Homeserve

Jan 2020 – Sep 2021

*Software Engineer*

*Hyderabad, India*

- Engineered a **cloud-native** analytics platform using **ASP.NET Core 5**, **Web API**, **C#**, and **EF Core**, supporting real-time data ingestion and processing at scale.
- Developed highly interactive **React.js dashboards** with **Redux** and **Angular 11/12 modules**, providing dynamic visualizations for large datasets.
- Designed and deployed **serverless workflows** using **Azure Functions** and **Logic Apps**, automating reporting pipelines and reducing manual effort by 35%.
- Implemented **asynchronous messaging** with **Azure Event Grid**, **Service Bus**, and **Kafka**, ensuring reliable event-driven communication between microservices.
- Built **data pipelines** with **SQL Server 2016/2019**, **SSIS**, and **Azure Data Factory**, optimizing ETL processes and reducing processing time by 40%.
- Applied **advanced caching strategies** with **Redis** and **Cosmos DB**, enabling low-latency analytics queries across distributed systems.
- Secured sensitive APIs with **OAuth2**, **JWT**, **Azure AD**, and **Key Vault**, meeting enterprise-grade compliance and regulatory standards.
- Deployed microservices on **Azure Kubernetes Service (AKS)** with **Docker containers**, integrating auto-scaling and load balancing for peak workloads.
- Automated CI/CD pipelines using **Azure DevOps** and **GitHub Actions** with quality gates via **SonarQube**, cutting deployment cycle time by 45%.
- Conducted comprehensive testing with **xUnit**, **NUnit**, **Selenium**, **Cypress**, **Moq**, and **Postman**, improving release quality and reducing post-production defects.
- Established **observability and monitoring** with **Azure Monitor**, **App Insights**, and **ELK Stack**, enabling proactive issue detection and faster resolution.
- Collaborated in **Agile/Scrum teams** using **Jira** and **Azure Boards**, contributing to sprint planning, backlog grooming, and cross-team architecture reviews.

## PROJECTS

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### **Enterprise Real-Time Analytics Dashboard (Feb 2019 – Aug 2019)**

**Description:** Delivered an interactive analytics dashboard to visualize large-scale data in real-time for enterprise decision-making.

**Key Contribution:** Designed **serverless data pipelines with Azure Functions and Event Hub** to process streaming data and built dynamic dashboards in **Angular 7/8**. Optimized queries in **SQL Server 2016/2017** and developed interactive reports using SQL Server Reporting Services (SSRS) and Power BI integration.

**Technologies Used:** ASP.NET Core 2.2/3.0 Preview, C#, Angular 7/8, SQL Server 2016/2017, Azure Functions, Azure Event Hub, SSRS, Power BI. Agile/Scrum, JIRA, GitHub, Bitbucket, Strong verbal and written communication with cross-functional teams.

## CERTIFICATIONS

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- Microsoft Certified: Azure Developer Associate (AZ-204), Jun 2023
- AWS Certified Developer – Associate, May 2022

## EDUCATION

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**University of Central Missouri** Master's in Information Technology