

# Prudhvi Bharadwaja Male

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## 👤 PROFESSIONAL SUMMARY

- A skilled .NET Developer with proficiency in C#, Typescript, JavaScript, and Node, showcased through impactful contributions at Volvo Group and Microsoft.
- Expertise spans ASP.NET Core 7.0 and ASP.NET Framework 4.8, complemented by extensive experience in frameworks like Angular (AngularJs, Angular 14), Express JS, Node JS, and ElectronJs.
- Strong command on Azure services like Azure AppServices, Azure Functions, ARM templates and containerized the applications using Docker for easy deployments.
- Proficient in utilizing tools like Visual Studio, Visual Studio Code, Docker Hub, SQL Server Management Studio (SSMS), and GitHub Actions, contributing to successful project outcomes.
- Well-versed in Web API development, SignalR, Model-View-Controller (MVC) frameworks and CI/CD pipelines, contributing to a comprehensive skill set in multiple software development frameworks and DevOps practices.

## </> SKILLS

**LANGUAGES:** C#, Typescript, JavaScript, Node, Kusto Query Language (KQL).

**FRAMEWORKS:** ASP.NET Core 7.0, ASP.NET Framework 4.8, AngularJs, Angular 14, Angular CLI, Express JS, Node JS, HTML, CSS, Bootstrap, Docker, Entity Framework 6, Git, Team Foundation Services (TFS), Entity Framework Core (EF Core), ElectronJS, Express JS, Angular Material UI, Web API, SignalR, Model-View-Controller (MVC), Microservice Architecture, Shell Scripting, ARM templates.

**TOOLS:** Visual Studio, Visual Studio Code, Docker Hub, Docker CLI, SQL Server Management Studio (SSMS), DebugDiag, WinDBG Next, PerfView, PerfMon, Windows Profiler Trace Analyzer, Team Foundation Services (TFS), Azure Management Studio, LaTeX Studio, GitHub Actions, CI/CD Pipelines, Azure DevOps.

**DATABASES:** MS SQL, MariaDB, MongoDB, Azure Cosmos DB, DynamoDB, Azure Cache for REDIS.

**OTHERS:** Prompt Engineering, Time Travel Debugging (TTD), JSON parser, JWT, Azure PaaS, Azure Functions, Azure Service Bus,

## 📁 PROFESSIONAL EXPERIENCE

**Volvo Group**, .NET Developer Intern 📁

May 2023 – Aug 2023 | Greensboro, USA

- Led the development of a pivotal ASP.NET Core application, revolutionizing the tracking of truck parts across diverse cross-functional teams which significantly increased team productivity by 39%.
- Integrated the application seamlessly with an Azure Cosmos DB for a flexible NoSQL solution and MS SQL for a relational database, enhancing security through the secure storage of connection strings of both Cosmos DB and MS SQL in Azure Key Vault (AKS) service.
- Pioneered the migration of legacy .NET applications from classic ASP.NET 4.5 to ASP.NET Core 7.0 on a fully managed Azure platform by achieving substantial cost savings (59%) and improved performance.
- Developed a microservice within a Node.js-based application to generate Vehicle Identification Number (VIN) for newly manufactured trucks.
- Engineered robust CI/CD pipelines for Node.js and .NET Core 7.0 based applications on Azure DevOps, enhancing organizational agility and scalability.
- Implemented MS SQL fully managed PaaS database in Azure Cloud and Azure AppService on a 64-bit Windows platform. Customized Azure platform settings, resulting in a 16% improvement in overall database operations' performance.
- Configured DataDog and SonarQube for comprehensive logs collection and security measures, fortifying the application's troubleshooting capabilities and overall security posture.
- Utilized Windows Profiler Trace Analyzer to identify bottlenecks in the application code, subsequently modifying the code to enhance overall performance by approximately 25%.
- Active in Agile and Scrum, contributing to sprints and daily stand-ups. Ensured task updates on Azure Boards for streamlined tracking.

- Developed "Diagnose & Solve Problems" component using ASP.NET Core & Entity Framework Core. Enhanced diagnostic capabilities, resulting in a 52% improvement in problem sorting rate for customers using Windows AppService.
- Employed Swagger UI and Postman for comprehensive Web API testing, focusing on security and authentication aspects.
- Created Detectors for the internal tool called "AppLens" using Kusto Query Language (KQL). This involved fetching data from the Master Data Management (MDM) metrics database, enhancing the tool's ability to identify and address issues efficiently.
- Led the development of a proof-of-concept project for migrating .NET Framework applications utilizing Cosmos Db to .NET Core 6 applications with Azure Cosmos SDK, showcasing successful migration strategies.
- Utilized Git for version control within Azure DevOps, ensuring effective and organized code management.
- Implemented Azure Functions with blob triggers to automatically move files from hot tier storage to cold tier based on blob age, achieving a cost savings of around 31%.
- Configured a Procdump helper tool to capture memory dumps, enabling efficient troubleshooting with WinDBGNext.
- Assisted customers throughout the entire lifecycle of intricate software solutions offering architectural recommendations and troubleshooting issues in production environments.
- Collaborated closely with multiple Product Teams, contributing to Quick Fix Engineering, crafting enhancements for seamless migration and support, and generating comprehensive documentation which led to a remarkable 43% reduction in the case deflection rate and lightened the workload on our support teams.
- Authored and presented numerous training sessions to Microsoft's global teams, encompassing in-depth training at an advanced level (400+) for core CLR, ASP.NET, IIS, and Azure App Services, focusing on product and debugging techniques.

- Collaborated closely with clients to design low and high-fidelity prototypes, leveraging Figma UI during initial sprints to create an intuitive application framework.
- Developed a robust application using ASP.NET Core and Angular 8 to effectively manage the call center environment for BSNL, incorporating a user-friendly interface and seamless functionalities.
- Implemented APIs using the open-source library Asterisk.net, streamlining the administration of Asterisk's context. This encompassed managing agents, devices, trunks, and queues via native APIs within the application.
- Orchestrated the migration of code from legacy TFS to Azure DevOps, establishing efficient build and release pipelines for incremental delivery using Azure's robust platform.
- Utilized Docker to containerize applications, resulting in a notable 62% reduction in workload for the application maintenance teams.
- Deployed applications to Azure App Service (PaaS), strategically reducing maintenance costs by an impressive 19% while ensuring optimal performance and scalability.

## EDUCATION

### **Masters in Information Technology,**

Aug 2022 – Dec 2023


*University of North Carolina at Charlotte*

Related coursework: Network Based Application Development, Database Systems, Software System Design Implementation.

## PUBLICATIONS

### **Generation of Electricity Using Bladeless Wind Turbines, *Journal of***

Aug 09, 2019

*Mechanics of Continua & Mathematical Sciences (Special Issue No. -2)* 

- Published my research on optimizing bladeless wind turbines to generate electricity at 45% lower cost than conventional 3-blade turbines, emphasizing clean energy production.

## STUDENT INVOLVEMENT

### **Graduate Teaching Assistant, *University of North Carolina at Charlotte***

- Served as a proactive Graduate Teaching Assistant, designing coursework for a 30-student class and providing hands-on mentoring in technical guidance for Microsoft Project design, emphasizing a growth mindset approach.