

Prudhvi Bharadwaja Male

✉ prudhvi.maale@gmail.com ☎ +1 (336) 944-8921 in LinkedIn 🐙 GitHub 📁 MyPortfolio 📖 Stackoverflow

👤 PROFESSIONAL SUMMARY

- A skilled Full-Stack Developer with proficiency in C#, Typescript, JavaScript, and Node, showcased through impactful contributions at Volvo Group and Microsoft.
- Expertise spans .NET & .NET Core, complemented by a deep understanding of frameworks like Angular and Express JS.
- Strong command on Azure PaaS and Amazon Web Services, and containerizing applications with Docker for smooth and efficient deployments.
- Experienced in developing web-based applications, including Single Page Applications, Web API, and Microservices.
- Hands-on experience with Source Control Management using TFS, Git, and Azure Dev Tools in an agile environment.
- Expertise in analyzing, debugging, and enhancing existing applications using native tools.

</> SKILLS

LANGUAGES: C#, Typescript, JavaScript, HTML, Node.

FRAMEWORKS: ASP.NET Core, .NET Framework, Angular, Express JS, Node JS, CSS, Bootstrap, Swagger UI, OpenID Connect, Docker, NUnit, Git, EF Core, Agile, AJAX, ElectronJS, Angular Material UI, Web API, SignalR, Model-View-Controller (MVC), Gulp, Bower, Microservices Architecture.

TOOLS: Visual Studio 2022, Visual Studio Code, Wireshark, Docker Desktop, SQL Server-Management Studio (SSMS), DebugDiag, WinDBG Next, Windows Profiler Trace Analyzer, TFS, Azure Management Studio, LaTeX Studio, GitHub, Azure DevOps, CI/CD Pipelines.

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

CLOUD TECHNOLOGIES: Microsoft Azure, Amazon Web Services (AWS), Azure PaaS, Amazon Route53, Azure Service Bus, Amazon EC2, Amazon S3, Amazon SQS, VPC, AWS Lambda.

ADDITIONAL TECHNOLOGIES: Prompt Engineering, Time Travel Debugging (TTD), IIS, JSON, JWT, Kusto Query Language (KQL), Hangfire Jobs, API Gateway, Test Driven Development (TDD).

CURRENT LEARNING ENDEAVORS: ML.NET, Gen AI, Python.

📁 PROFESSIONAL EXPERIENCE

Volvo Group, .NET Developer Intern 📍 May 2023 – Aug 2023 | Greensboro, USA

- Spearheaded the development of a pivotal ASP.NET Core application, revolutionizing the tracking of truck parts across diverse cross-functional teams and significantly boosting team productivity.
- Seamlessly integrated the application with Azure Cosmos DB, enhancing security through secure connection string storage in Azure Key Vault (AKS) and reducing approximately 315 security incidents.
- Initiated the migration of legacy .NET based applications from ASP.NET 4.5 to ASP.NET Core 7.0 on a fully managed Azure platform, achieving substantial cost savings (59%) and improved performance.
- Engineered a microservice within a Node.js-based application to generate Vehicle Identification Numbers (VIN) for newly manufactured trucks.
- Established robust CI/CD pipelines for Node.js and ASP.NET Core based applications on Azure DevOps, enhancing organizational agility and scalability.
- Implemented an MS SQL fully managed PaaS database in Azure Cloud and Azure AppService, customizing Azure platform settings and 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%.

- Actively participated in Agile and Scrum, contributing to sprints and daily stand-ups, and ensuring task updates on Azure Boards for streamlined tracking.

Microsoft, Senior Software Engineer

Feb 2020 – Jul 2022 | Hyderabad, India

- Developed the "Diagnose & Solve Problems" component using ASP.NET Core & Entity Framework Core, enhancing diagnostic capabilities and resulting in a 52% improvement in problem sorting rate for customers using Windows AppService.
- Utilized Swagger UI and Postman for comprehensive Web API testing, with a focus on security and authentication aspects.
- Created Detectors for the internal tool called "AppLens" using Kusto Query Language (KQL), fetching data from the Master Data Management (MDM) metrics database and enhancing the tool's ability to identify and address issues efficiently.
- Implemented Hangfire for executing CRON jobs, periodically retrieving and processing information from the MDM metrics database for timely data retrieval and efficient task management.
- Led the development of a proof-of-concept project for migrating .NET Framework applications utilizing Cosmos Db to ASP.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 that led to a remarkable 43% reduction in the case deflection rate and lightened the workload on our support teams.
- Implemented Single Sign-On and applied token-based authentication with Azure Active Directory (AAD) to enable user login for accessing all internal tools.
- 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.

Karvy Data Management Services Pvt Ltd, Executive

Jan 2017 – Jan 2020 | Hyderabad, India

- 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 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 reduction in workload for the application maintenance teams.
- Utilized SignalR and web sockets to dynamically mark user locations on Google Maps using the Google Maps API. Designed a distinctive marker featuring the user's face for enhanced visualization and engagement.
- Employed package manager tools like Bower and Gulp to reduce the bundle size by almost 42%, significantly enhancing deployment speeds and the overall efficiency of the application.
- Built a Windows desktop application for users leveraging Electron JS, delivering a user-friendly solution and enhanced security.

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.