Prudhvi Bharadwaja Male

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≋ Stackoverflow

🪪 PROFESSIONAL SUMMARY

- A skilled Full-Stack Developer with proficiency in C#, Typescript, JavaScript, and Node, showcased through impactful contributions at Bank of America, Volvo Group and Microsoft.
- Expertise spans ASP.NET MVC & ASP.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, Bitbucket 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 4.8, Angular, Express JS, Node JS, CSS, Bootstrap, Swagger UI, OpenID Connect, Docker, xUnit, 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, BitBucket, Jira, Ansible, Azure DevOps.

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

Cloud Technologies: Microsoft Azure, Azure Front Door, VNET, Azure AppService, Azure Functions, Azure Service Bus, Azure Key Vault, ExpressRoute, Azure CDN, Traffic Manager, Azure APIM, Azure AD, Azure IAM.

Others: 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

Bank of America, *Vice President* ⧉   Feb 2024 – present | Charlotte, USA

- Engineered a Blazor web application tailored for Enterprise Stress Testing, resulting in a notable 17% quarterly productivity increase across other teams.
- Designed various components in Blazor MVC and implemented custom attributes, following SOLID principles, leading to a significant 40% enhancement in reusability and code maintainability.
- Utilized Windows Profiler Trace Analyzer to identify bottlenecks in the application code, subsequently modifying the code to enhance overall performance by approximately 25%.
- Implemented Test-Driven Development (TDD) practices to write unit tests concurrently with code implementation, resulting in 51% reduction in regression bugs and a significant 86% improvement in code coverage.
- Performed on-call duties tri-weekly, overseeing deployments to production and lower lane environments and executing database scripts to remove duplicate data, enhancing data integrity by eliminating over 200 redundant entries.

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

- Pioneered a pivotal ASP.NET Core application, revolutionizing truck parts tracking and enhancing team productivity. Seamlessly integrated with Azure Cosmos DB, fortifying security measures and mitigating 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.
- 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.
- 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.
- 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.
- 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.
- 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%.
- 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, *Senior Executive*   Jan 2017 – Jan 2020 | Hyderabad, India

- Collaborated with multiple clients to design prototypes in Figma, then developed a user-friendly call center application using ASP.NET Core and Angular, resulting in increased client satisfaction.
- Integrated Asterisk.NET for streamlined administration, migrated code to Azure DevOps for efficient delivery pipelines, and containerized applications with Docker, leading to 20% reduction in maintenance workload.
- Dynamically marked user locations on Google Maps using SignalR and web sockets, and reduced bundle size by 42% with Bower and Gulp, resulting in faster deployment speeds and enhanced application efficiency.
- Implemented Hangfire for CRON jobs, resulting in a 36% acceleration in data retrieval and task management efficiency by optimizing processing of MDM metrics periodically.
- Created a secure, user-friendly Windows desktop app with Electron JS, resulting in improved user experience and enhanced security measures.
- Configured Procdump tool to capture memory dumps on production servers, facilitating 30% faster issue resolution with WinDBGNext.

🎓 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.