



Prudhvi Bharadwaja Male

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PROFESSIONAL SUMMARY

- Full-stack engineer with **8+ years of hands-on experience** in delivering **scalable** enterprise applications across **fintech, SaaS,** and **telecom** domains at Bank of America, Microsoft, and Volvo Group.
- Proficient in end-to-end development using **C#, TypeScript, .NET Core, Angular,** and **Node.js**. Strong expertise in building **modern SPAs, RESTful APIs,** and **microservices**.
- Experienced with **Azure** and **AWS** cloud platforms. Proficient in using **Docker** and **Terraform** for cloud-native deployments and infrastructure automation.
- Well-versed in **DevOps practices**, including **Git, Azure DevOps,** and configuring **CI/CD pipelines**. Effective in **Agile** environments utilizing tools such as **Jira** and **TFS**.
- Focused on performance, security, and reliability through **test-driven development (TDD)** and code optimization. Adept at **debugging, profiling,** and maintaining complex production systems.
- Co-founded **TechSudoku LLP**, where I **led a cross-functional team** and delivered cloud-native SaaS platforms for state government clients across India.

SKILLS

Languages: C#, TypeScript, Python, JavaScript, HTML, Node.js.

Frameworks & Libraries: ASP.NET Core, .NET Framework 4.8, Angular, React.js, Redux, Express.js, Node.js, CSS, Bootstrap, Swagger UI, OpenID Connect, Docker, xUnit, Git, Entity Framework Core (EF Core), Agile, AJAX, Electron.js, Angular Material UI, Web API, SignalR, Model-View-Controller (MVC), Gulp, Bower, HIPAA Compliance, Terraform, Microservices Architecture.

Management Skills: People Management, Agile Leadership, Team Management, Service Delivery, Budget Management, Business Analysis, IT Strategy, Project Management, Risk Management, Change Management, Process Improvement.

Tools: Visual Studio 2022, Visual Studio Code, Wireshark, Docker Desktop, Power BI, Microsoft Project, SQL Server Management Studio (SSMS), DebugDiag, WinDbg Next, Windows Performance Analyzer, Team Foundation Server (TFS), Azure Management Studio, LaTeX Studio, GitHub, Bitbucket, Jira, Ansible, Azure DevOps.

Databases: Microsoft SQL Server (MS SQL), MongoDB, MariaDB, Azure Cosmos DB, Amazon DynamoDB, Azure Cache for Redis.

Cloud Technologies: Microsoft Azure, Amazon Web Services (AWS), EC2, Elastic Beanstalk, Amazon S3, Amazon VPC, Amazon SQS, Amazon IAM, AWS Lambda, Amazon SNS, Azure Front Door, Azure App Service, Azure Functions, Azure Service Bus, Azure Kubernetes Service (AKS), Azure Key Vault, Traffic Manager, Azure API Management (APIM), Azure Entra.

Others: Prompt Engineering, T-SQL, PL/SQL, Stored Procedures, Performance Tuning, Time Travel Debugging (TTD), IIS, JSON, JWT, Kusto Query Language (KQL), Hangfire, API Gateway, Test-Driven Development (TDD).

PROFESSIONAL EXPERIENCE

Bank of America, Senior Software Engineer 

Feb 2024 – present | Charlotte, USA

- Engineered a **Blazor** web application tailored for **Enterprise Stress Testing**, resulting in a 17% quarterly productivity increase across other teams.
- Designed and developed **reusable components** in a **Blazor MVC** application, implementing SOLID principles to boost code maintainability by 40%. Integrated WebSockets for real-time data updates, enabling efficient quarterly reports.
- Collaborated with multiple **healthcare partners** to ensure **HIPAA-compliant** handling of financial and e-ledger data, securing sensitive health-related records.
- Implemented **Test-Driven Development (TDD)** practices to write unit tests concurrently with implementation, leading to a 51% reduction in regression bugs and an 86% improvement in code coverage.
- Automated **Azure infrastructure provisioning** using **Terraform**, reducing deployment time by 65% and eliminating recurring configuration issues.
- Developed **Python scripts** to streamline **build and release pipelines**, cutting manual effort by 70% and reducing build time by 40%.
- Utilized **Windows Profiler Trace Analyzer** to identify performance bottlenecks, modifying code to enhance overall performance by 25%.

Tech Sudoku LLP, Co-Founder

Jul 2022 – Nov 2023 | Remote, USA

- Scaled **Tech Sudoku LLP** from concept to a revenue-generating SaaS provider, delivering enterprise-grade solutions to state clients across multiple states in India.
- Led a **3-member team** in developing Xema, a cloud-native **SaaS platform** built with **.NET Core**, **Angular 14**, and **Docker**, deployed via **Azure App Services** for call center management.
- Integrated **AsterNet** with **Asterisk PBX**, enabling real-time call tracking, analytics, and automation within the Xema platform to support high-volume telecom operations.
- Accelerated development cycles by building **reusable components** and automation pipelines, reducing time-to-deploy for client-requested features by over 40%.
- Achieved a 42% **reduction in maintenance costs** and saved **\$92,000+ annually** for BSNL (a state client) by optimizing infrastructure, reducing downtime, and streamlining operations.

Volvo Group, Software Engineer 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 over 300+ security incidents.
- Initiated the migration of legacy .NET applications from **ASP.NET 4.5** to **ASP.NET Core 7.0** on a fully managed **Azure** platform, achieving 59% cost savings and improved application performance.
- Built the **Volvo Experience Framework** using **React.js**, adopted by multiple teams across the organization, streamlining development workflows and improving build times by 10%.
- Deployed microservices on **Azure Kubernetes Service (AKS)**, reducing deployment time and improving system uptime during updates by approximately 30% through efficient container orchestration.
- Implemented an **MS SQL** fully managed PaaS database in Azure Cloud and deployed via **ARM templates**, customizing platform settings and resulting in a 16% improvement in database operations performance.
- Actively participated in **Agile** and **Scrum**, contributing to sprints and daily stand-ups, and ensuring task updates on **Azure Boards** for streamlined progress tracking.

Microsoft, Senior Software Engineer

Feb 2020 – Jul 2022 | Hyderabad, India

- Developed multiple components in Diagnose & Solve Problems blade using **ASP.NET Core** and **Kusto Query Language (KQL)**, enhancing diagnostic capabilities for customers using **Windows AppService Plans**.
- Created **Detectors** for the internal tool **AppLens** using **KQL**, fetching data from the Master Data Management (MDM) metrics database and improving the tool's ability to **identify and address issues efficiently**.
- Developed multiple **React.js** components for **Azure Support Center** to manage customer incident workflows, streamlining communication between support engineers and product owners, and improving solution delivery rate by 20%.
- Implemented **Azure Active Directory (AAD)** authentication with **token-based Single Sign-On (SSO)**, enhancing security and simplifying user access across internal enterprise platforms.
- Utilized **Azure Kubernetes Services (AKS)** to orchestrate containerized diagnostic tools in production environments, achieving 99.9% availability, reducing infrastructure costs, and enabling **rapid scaling** during traffic spikes.
- Authored and presented numerous training sessions to **Microsoft's global teams**, delivering **advanced (300+) level** content on **CLR**, **ASP.NET**, **IIS**, and **Azure App Services**, focused on product understanding and debugging techniques.

KFin Technologies, Executive

Jan 2017 – Jan 2020 | Hyderabad, India

- Built a centralized staff management system for the **Government of Education, New Delhi**, using **ASP.NET Core**, **React.js**, and **Redux** for state management, automating attendance tracking and reducing administrative errors by 40%.
- 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.
- Created **ASP.NET Core Web APIs**, enabling a mobile app to assign work to field agents and improving delivery time by 30%.
- Implemented **Hangfire** for CRON jobs, resulting in a 20% acceleration in data retrieval and task management efficiency.
- Refactored **SQL Server stored procedures** and restructured **indexing strategies** to improve data retrieval speeds by 35%.
- Migrated code to **Azure DevOps** for efficient delivery pipelines, and containerized applications with **Docker**, leading to 20% reduction in maintenance workload.

EDUCATION

Masters in Information Technology, University of North Carolina at Charlotte

Aug 2022 – Dec 2023

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

CERTIFICATES

Azure Fundamentals

Azure Data Fundamentals