CHAVALI BHARGAV PHANI

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PROFESSIONAL SUMMARY

Experienced .NET Developer with 5 years of expertise in .NET Core, C#, Entity Framework Core, Web API, and SQL Server. Skilled in Azure services, Git, Azure DevOps, and unit testing frameworks. Proven ability to build scalable applications, optimize performance, and collaborate effectively in Agile environments.

TECHNICAL SKILLS

- **Programming Languages:** C#, C++, VB.NET, JavaScript, TypeScript, SQL, T-SQL, PL/SQL
- **Frameworks & Libraries:** .NET (3.5/4.0/5.0/6.0/7.0/8.0), .NET Core, .NET Core MVC, Entity Framework Core, Blazor, Razor, Angular Framework, Bootstrap, jQuery, Kendo UI, React.js, Knockout JS, Marionette.js, Require JS, Telerik/Infragistics
- **Web Development:** HTML5, CSS3, JavaScript, AJAX, XML, JSON, XAML, XSL, XSLT, Web API, RESTful Services, SOAP, SOA, IIS, OAuth2, JWT
- **Database Technologies:** SQL Server (Stored Procedures, Triggers, Views, UDFs), MySQL, MongoDB, Oracle, NoSQL, SSRS, SSIS, Azure SQL Database
- **Cloud & DevOps:** Azure (Functions, App Services, Blob Storage, Active Directory, SQL Database, Monitor, App Insights, Service Bus, Redis Cache), AWS (EC2, Lambda, S3), Docker, Kubernetes, Jenkins, GitHub Actions, Azure DevOps, Git, TFS
- **Development Tools:** Visual Studio (2015/2017/2019/2022), VS Code, Eclipse, Sublime
- **Testing Tools:** MS-Test, NUnit, XUnit, JUnit, Postman, Swagger UI, Mocking, Jasmine & Karma
- **Design & Architecture:** Design Patterns, MVC, MVVM, N-Tier Architecture, Microservices, Monolithic.
- **Other Technologies:** WCF, WPF, Windows Forms, Web Forms, Custom & User Controls, ADO.NET, SAAS

PROFESSIONAL EXPERIENCE

Software Engineer, University of Cincinnati   02/2024 – present
- Designed and developed a university-wide housing management board using ✐ .NET Core and Microsoft Blazor, enabling seamless account creation and management for over 10,000 users while reducing manual intervention by 30%.
- Designed, developed, and maintained full-stack applications using ASP .NET Core, C#, Entity Framework Core, and Web API.
- Developed and optimized responsive UI components using Angular, ensuring seamless navigation and performance across desktops. Optimized a dynamic hostel room booking page, reducing load time by 30%.
- Utilized Angular 14, JavaScript, and TypeScript to create dynamic and engaging front-end experiences, implementing features such as data binding, routing, and form validation.
- Enhanced database performance by implementing advanced indexing strategies, query optimizations, and performance tuning techniques in SQL Server, resulting in significantly improved data retrieval and processing speeds.
- Developed and deployed applications in Docker containers to streamline and scale deployment processes. Contributed to Agile development cycles, including sprint planning, code reviews, and daily stand-ups.
- Integrated Azure SQL Database tables seamlessly into the application backend, leveraging Azure services for efficient data retrieval and manipulation, enhancing overall application performance and user experience.
- Enhance security by implementing authentication and authorization using Angular guards, JWT, and OAuth to protect user sessions and sensitive data.
- Integrate Angular services with RESTful APIs and WebSockets to enable real-time updates for room availability, booking confirmations, and notifications.

Software Development Engineer, Infinite Computer Solutions ✐   06/2023 – 12/2023 | Bengaluru, India
- Architected and developed a healthcare claims management desktop application using .NET Core and Blazor, reducing claim resolution time by 20% through optimized workflows and real-time data processing.
- Implemented real-time data dashboards using Angular and RxJS to display provider health plan transactions dynamically, improving data visibility by 40%.
- Optimized SQL Server databases by implementing advanced indexing and query optimization techniques, achieving a 25% improvement in application performance.
- Automated SSIS packages and SSRS report scheduling, eliminating manual interventions and improving data processing accuracy by 40%.
- Resolved real-time sync issues by troubleshooting Angular HTTP interceptors and WebSocket integrations with health plan APIs, decreasing data latency by 35% and ensuring uninterrupted information exchange for providers.
- Enhanced UI scalability by crafting Angular-based responsive forms with TypeScript and Bootstrap for administrative workflows, boosting form submission efficiency by 20% and accommodating a 50% increase in network traffic.
- Followed SDLC life cycle, working independently on development tasks and supporting the Data Portal application in C#, .NET Framework, and Azure App Service, utilizing cloud infrastructure for scalability and flexibility.
- Integrated Azure Active Directory groups and accessed internal/external agency public web API core resources to enhance functionality and security within the application.

- Implemented Azure Monitor for proactive monitoring and management of Azure resources and applications, leveraging metrics, logs, and alerts to ensure optimal performance and reliability.
- Deployed and managed applications on **IIS**, ensuring stability and optimal performance.

Software Engineer I, LTIMindtree 🔗   05/2020 – 05/2023 | Bengaluru, India
- Developed a scalable Web API application using .NET Core and C#, integrating Dependency Injection to ensure a loosely coupled architecture and reducing technical debt by 20%.
- Implemented CRUD (Create, Read, Update, Delete) operations in .NET Web API, ensuring efficient data management and manipulation through RESTful endpoints.
- Enhanced app performance using Angular lazy loading and change detection for analytics, cutting load times by 30% and managing 1,000+ data transactions smoothly.
- Designed and implemented RESTful web services using ASP .NET Core, facilitating smooth and reliable communication between client and server applications.
- Leveraged ADO .NET for extensive database access across MSSQL Server environments, implementing optimized database interactions and ensuring data integrity.
- Implemented .Net security features for Login Authentication (Forms-based) and Authorization.
- Strengthened audit transparency by integrating Angular HTTP services with backend analytics APIs, enhancing data accuracy by 45% and uncovering insights across 300+ financial records per audit.
- Created and managed function triggers, bindings, and monitoring to ensure seamless integration of data.
- Integrated Azure Blob Storage and Functions to automate data processing workflows, reducing manual intervention by 50% and accelerating processing times.
- Improved application performance monitoring by implementing Azure App Insights to track real-time metrics, logs, and alerts, enabling proactive identification.
- Automated manual code execution workflows by developing Azure Function Apps to trigger code runs based on specific events or schedules, reducing manual intervention by 40%.
- Designed and configured custom dashboards in Azure App Insights to visualize key performance indicators (KPIs), providing stakeholders with actionable insights.

PROJECT

The Curse of Correlations for Robust Fingerprinting of Relational Databases   01/2020 – 04/2020
• Enhanced database security by creating a .NET application to prevent unauthorized data sharing.
• Implemented robust fingerprinting techniques to resist column-wise, row-wise, and integrated Correlation attacks.
• Designed algorithms to analyze attack effectiveness, measuring compromised fingerprint bits, utility, and false accusation rates.
• Developed a user-friendly web interface using Angular, HTML, CSS, JavaScript, and Bootstrap for attack result visualization and analysis.
• Successfully mitigated correlation attacks through robust fingerprinting, significantly improving data security.
• Provided a valuable tool for database owners to assess and strengthen data protection.

Detection of Twitter Cyberbullying using Machine Learning   10/2019 – 01/2020
- Spearheaded a project focused on using machine learning models to recognize and identify similarities in tweets made by bullies to prevent cyberbullying.
- Implemented a Support Vector Machine (SVM) to measure dissimilarities between tweets, resulting in a 95% accuracy rate in identifying cyberbullying tweets.
- Set up an automated warning system that blocked accounts if a user exceeded the limit for offensive tweets, resulting in a 50% decrease in reports of cyberbullying on Twitter.

AWARDS

At LTIMindtree
- **SPOT ON Award:** Recognized at LTIMindtree for contributing to high customer satisfaction and operational cost reduction.
- **Token of Appreciation:** Awarded for mentoring junior developers and fostering knowledge sharing.

EDUCATION

Master of Science, Information Technology   Cincinnati, United States
University of Cincinnati - CGPA-4.0/4.0   01/2024-04/2025
JNTUK, Bachelor of Technology Computer Science - CGPA 4.0/4.0

CERTIFICATIONS

Microsoft Certified- Azure Fundamentals (AZ-900)
Microsoft Certified- Azure Administrator Associate(AZ-104)