

## PROFESSIONAL SUMMARY

Full-stack .NET Developer with over 4+ years of experience designing, building, and maintaining high-performing web applications and scalable APIs. Proven expertise in C#, ASP.NET Core, SQL Server, REST API integration, and UI development using React and Angular. Skilled in full SDLC, Agile methodologies, and source control systems like Git and Azure DevOps. Known for writing clean, maintainable code, enabling seamless EDI and third-party integrations, and delivering software enhancements with strong attention to performance, security, and client usability.

## TECHNICAL SKILLS

Programming Languages	C#, JavaScript, TypeScript, Python, PL/SQL.
Frameworks and Libraries	ASP.NET, ASP.NET Core, ASP.NET Core, Entity Framework Core, LINQ, ADO.NET, React.js, React Native, Angular, Vue.js, Redux, jQuery, JDBC, Apache Camel
Web Technologies/Design	HTML, CSS3, Bootstrap, JSP, XML, Vue.js, UX, JSON, RESTful APIs, SOAP, Figma.
Databases	Oracle, MySQL, PostgreSQL, MongoDB, Cassandra, DynamoDB, NoSQL, IBM DB2.
Cloud Platforms	Azure, GCP (Google Cloud Platform), AWS
Tools/IDEs	Jenkins, Docker, Kafka, Kubernetes, Maven, Gradle, Eclipse, IntelliJ IDEA, Postman, JIRA, Swagger,
Technologies	Git, GitHub, Splunk, JSON, XML, WCAG, Redis, C#, Object Oriented Programming (OOP), Selenium, Swagger, AJAX, Serilog, MSTest, xUnit, NUnit , Terraform, Visual Studio, AI, Machine Learning (ML), Tomcat, WebLogic, JBoss
Messaging and Streaming	Apache Kafka, JMS, RabbitMQ
Operating System	Windows, Linux, Unix

## WORK EXPERIENCE

**Verizon – Dallas, TX**  
**Software Developer**

**Mar 2023 – Current**

- Participated in all phases of the **Software Development Life Cycle (SDLC)**, including requirement analysis, design, development, unit testing, deployment, and post-release support, ensuring seamless delivery of high-quality modules in enterprise applications.
- Migrated monolithic **Windows desktop applications** into modular, cloud-ready **ASP.NET Core web applications**, improving scalability and maintainability by 35%.
- Developed and maintained **RESTful APIs using ASP.NET Core and C#**, enabling smooth interaction between microservices, front-end clients, and third-party integrations.
- Designed and implemented **multi-tiered architecture (Presentation, BAL, DAL)** for structured development, leveraging Object-Oriented Programming and SOLID principles.
- Worked on **SQL Server and Oracle databases**, writing optimized stored procedures, functions, and complex joins to reduce query execution times by up to 40%.
- Developed and maintained **responsive, cross-browser compatible UIs** using HTML5, CSS3, JavaScript, Bootstrap, and React.js, improving user experience and visual consistency across devices.
- Integrated **React.js** front-end with ASP.NET APIs for real-time UI rendering, dynamic form handling, and user interaction flows in eCommerce and chatbot-based platforms.
- Implemented **CI/CD pipelines using Azure DevOps**, automating build, test, and deployment workflows to staging and production environments, reducing manual intervention by 45%.
- Deployed and monitored applications on **Azure App Services**, improving uptime and system resilience with proactive logging and error tracking via Azure Monitor and Splunk.
- Used **Azure DevOps Boards and Repos** for project tracking and version control, handling branching, pull requests, code reviews, and feature releases efficiently in Agile/Scrum sprints.

- Created **unit and integration tests** using MSTest and xUnit, achieving over 90% test coverage across critical modules and preventing regression bugs during feature rollout.
- Collaborated with onshore teams and product owners during **daily stand-ups and sprint reviews**, clarifying requirements and presenting technical demos for delivered features.
- Designed UI components following **WCAG accessibility standards**, improving usability for users with disabilities and aligning with enterprise compliance mandates.
- Built secure authentication and authorization modules using **ASP.NET Identity** and **JWT tokens**, ensuring safe role-based access to sensitive application areas.
- Optimized real-time data processing using **Entity Framework with LINQ**, lazy/eager loading, and caching strategies to reduce DB hits and improve performance by 25%.
- Developed dynamic dashboards, chart visualizations, and tabular views using **React, Redux, and Material UI**, significantly improving user insights and interactivity.
- Documented backend APIs using **Swagger/OpenAPI**, simplifying third-party integration and reducing onboarding time for new developers by 30%.
- Applied **Docker** containers in local dev/test environments and supported containerization workflows for future microservice deployments.
- Utilized **Postman and Swagger UI** to validate API request/response flows during development and support bug tracking during QA cycles.
- Delivered multiple modules in a **95% on-time sprint delivery rate**, actively participating in estimations, retrospectives, and backlog grooming.
- Collaborated with senior developers and architects to learn architectural decisions and gradually take ownership of critical features in production-grade systems.

**Cognizant Technology Solutions – Hyderabad**  
**Junior Software Engineer**

**Aug 2021 – Mar 2023**

- Played a key role in the **end-to-end development of the frontend** for a large-scale eCommerce application, migrating legacy Windows UI to a modern **responsive web interface** using HTML5, CSS3, JavaScript, and Bootstrap.
- Collaborated closely with **senior developers and team leads** to integrate UI with ASP.NET backend logic, following agile development practices and weekly sprint planning.
- Utilized **SQL Server Profiler** to trace stored procedures and queries from the old application, which were reused and bound to front-end components for product, user, and order data operations.
- Integrated **DAL and BAL layers** into the ASP.NET application with senior mentorship, handling data flow between UI and database effectively using server-side controls.
- Engaged in **daily calls with onsite managers** to report progress, gather new requirements, and demo completed UI features for feedback and refinement.
- Conducted thorough **manual testing** of developed modules, documented UI bugs, and verified backend data integrity post-deployment.
- Managed version control and collaborated on releases using **Azure DevOps**, regularly committing code, tracking issues, and assisting with pipeline builds.
- Learned best practices in secure coding, query optimization, and UI performance tuning while shadowing senior engineers during reviews and testing cycles.
- Supported release deployments by validating builds in QA, updating configuration files, and assisting with post-deployment smoke testing.

## **ACADEMIC PROJECTS**

### **Cricket Score Prediction Using Machine Learning**

Developed a machine learning regression model to predict cricket team scores using key match inputs (runs, wickets, overs). Applied feature engineering, EDA, and trained models including Random Forest, Decision Tree, Linear Regression,

and SVM. Evaluated performance using MAE, MSE, RMSE, and deployed the best model (Random Forest) with data visualizations for real-time prediction insights.

### **Anomaly detection and Attack prevention IOT sensors and Networks**

Built an IoT intrusion detection system using supervised machine learning classifiers like Random Forest, SVM, Logistic Regression, Decision Tree, and Artificial Neural Networks (ANN). Processed a dataset of 357,000+ samples with feature selection, vectorization, and label encoding. Classified 8 attack types and evaluated models using precision, recall, F1 score, and ROC curve, improving anomaly detection accuracy and IoT network security.

### **EDUCATION**

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**Master of Science** in Computer and Information Sciences

January 2023-May 2024

University of South Dakota, Vermillion, SD, US

**Coursework:** Machine Learning Fundamentals, Operating Systems, Info Storage & Retrieval, Top: Appl. Reinforcement Learn, Quantum Computing, Artificial Intelligence, Internet of Things, Data Analysis/Decision Making, AI in Med Imaging Informatics and Computer Programming Java.

### **CERTIFICATIONS**

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| • C# Masterclass (Udemy)     | • Oracle SQL (Udemy)                       |
| • HTML5 & CSS3 (Udemy)       | • ServiceNow System Administration (Udemy) |
| • Python Programming (Udemy) | • Splunk (Udemy)                           |
| • ITIL4 Foundation (Udemy)   |  |