Onashish Joshi (.NET Developer)

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EDUCATION

University of the Cumberlands — Williamsburg, KY
Master of Science (M.S), Information Technology (IT) | GPA: 3.9 | Summa Cum Laude — *Aug 2020 - April 2022*

- **Coursework**: Cloud Computing, Business Intelligence (BI), C#, .NET App Development, Decision Analysis, Database System, Data Mining (DTM), Data Analytics & Modeling, Data Structures and Algorithm
- **Certification**: AWS Certified Data Engineer - Associate (Valid Until 06/2027)

EXPERIENCE

Cloud Developer - .NET — Oct 2023 - June 2024
Fannie Mae — *Reston, VA*

- Led the migration of 5TB of on-prem data to cloud platforms, utilizing SDTM (Study Data Tabulation Model) source-to-tree mapping, resulting in a 30% increase in data retrieval efficiency.
- Accelerated new features automatically transferring external files to immediate AWS S3 Bucket cloud storage merging over 5+ databases with 10M+ loan records.
- Created and maintained CI/CD pipelines to automate the deployment process, reducing manual errors and accelerating release cycles.
- Migrated ASP.Net MVC applications to ASP.Net Core using .NET technologies and AWS services, enhancing overall performance and reliability.
- Formulated inter-department business team meetings with 10+ weekly Tableau reports identify trends, anomalies for project division.
- Developed ETL processes with Alteryx and AWS Glue to ensure smooth, secure, and accurate data transfer and transformation from Oracle to Redshift.
- Discovered and corrected over $2M worth of housing claims from curtail to approve state assuring appropriate housing case status.
- Queried data from 1M+ entry tables to generate business reports of loan processing by validating and testing business requirement documents (BRD). Participated in the documentation process, including writing technical manuals and formal recommendations.
- Leveraged Bitbucket and JIRA to implement version control and custom workflows, enhancing project tracking efficiency by 25%, boosting team collaboration, and reducing manual task errors by 30%, with comprehensive documentation management in SharePoint and Confluence.
- Monitored and analyzed competitive applications, integrating relevant real-time data and features to stay ahead in the housing market.
- Engineered and executed a comprehensive testing framework using tools such as NUnit, Moq, and MSTest, incorporating unit, integration, and system testing for application functionality and performance validation, reducing post-release defects by 30%.
- Spearheaded Agile implementation across multiple projects, optimizing the SDLC through iterative development and enhancing user story refinement. Leveraged Scrum frameworks to achieve high sprint completion rates and improve overall product quality.

Environment: AWS, Amazon Redshift, .NET Framework 4.5+, Python (Pandas), DBeaver, Toad Data Point 6.1, SQL Server 2018, Oracle, MongoDB, PostgreSQL, Tableau, UNIX, FastAPI, WebAPI, WCF, Alteryx, Git, Bitbucket, Docker, Confluence, Sharepoint, Google Cloud Platform, VS Code, Visual Studio 2019/2022, JIRA

Full Stack Software Developer - .NET — Feb 2018 – Oct 2023
Giesecke & Devrient America (G+D) Inc. — *Sterling, VA*

- Conducted Joint Application Development (JAD) sessions to ensure stakeholder engagement, developed comprehensive functional design documents, and used Component One studio for report generation, producing over 50 customized reports to support business decisions.
- Contributed in requirement analysis, development, maintenance, and testing phases of the SDLC for 3-tier architecture, delivering high-quality applications using C# to meet design specifications and user requirements within deadlines, contributing to the successful deployment of 10+ projects annually.
- Developed and integrated Business Logic (BL) and Data Access Layer (DAL) classes in the UI using the MVVM pattern, and implemented advanced XAML features such as Triggers, Binding, Styles, and Custom Controls, enhancing user experience across 5 major applications.

- Led the creation of domain models utilizing composition, inheritance, polymorphism, and custom attributes, and managed data persistence using Entity Framework and LINQ, with external item support through NuGet Package Management, streamlining data access for 3 key business units.
- Wrote unit test cases using Visual Studio and Mocking Framework (MOQ), performed troubleshooting and enhancements on the Configurator application, and managed version control with TFS and Git, resulting in the resolution of 200+ issues and ensuring continuous integration.
- Migrated legacy WinForms applications to WPF, collaborated with team members to design, build, and maintain clean, scalable, and reusable code, and researched new development tools, creating developer guides that reduced onboarding time for new developers by 20%.
- Investigated bugs, interacted with developers to resolve technical issues, and provided feedback to ensure code met requirements, demonstrating strong interpersonal and communication skills for effective team collaboration, leading to a 15% increase in project delivery speed.
- Led the definition and execution of software development project plans for 5+ major initiatives, encompassing comprehensive scoping, agile scheduling, and strategic implementation. Utilized Jira and Microsoft Project to manage timelines and resources, resulting in 95% on-time project delivery.
- Prepared and interpreted complex requirements for enterprise applications. Created user-oriented specifications using UML and user story mapping, reducing requirement-related issues by 40%.
- Ensure the technical feasibility of UI/UX design and stay updated with the latest industry trends and technologies to ensure the continuous improvement of applications
- Led and collaborated with two software development teams in Germany and India in different time zones, leading project planning, scoping, scheduling, and implementation for international initiatives for the company.
- Effectively collaborated within a matrix management environment, engaging with developers and cross-functional client departments to drive project success. Demonstrated a clear understanding of organizational hierarchies and protocols to efficiently leverage resources and facilitate seamless communication.
- Spearheaded Agile development across multiple projects, implementing SDLC best practices and Scrum frameworks to enhance product quality and delivery efficiency.
- Engineered robust software solutions using C#, .NET, and WPF, leveraging object-oriented principles and design patterns to create scalable and maintainable code.
- Implemented Entity Framework and LINQ for efficient data management, utilizing SQLiteStudio for database operations and NuGet for package management.
- Developed and maintained comprehensive unit tests using Visual Studio and MOQ, ensuring high code quality and reliability.
- Led the migration of legacy WinForms applications to modern WPF platform, improving user experience and system performance.
- Utilized TFS and Git for version control, facilitating collaborative development and efficient code management.
- Conducted thorough code reviews and generated technical documentation, fostering knowledge sharing and maintaining coding standards.
- Collaborated with cross-functional teams to troubleshoot issues, implement enhancements, and ensure alignment with project requirements and timelines.
- Proactively researched and evaluated new development tools and technologies, contributing to the team's continuous improvement and innovation efforts.
- Provided regular status updates to leadership, coordinated with technical teams for system monitoring, and supported team members in software design activities.

Environment:.NET Framework 4.5+, WPF, XAML, WinForms, Entity Framework, Component One Studio, SQLiteStudio, MVVM Pattern, DBeaver, SQL Server 2012 and 2016, TFS, GitHub, LINQ, XML serialization, Docker Desktop, Visual Studio 2015/2019, JIRA

Leadership & Volunteers

Certified Sports Official (Soccer) | Enforced game rules, managed game play, and ensured player safety across various youth and Adults leagues in the Fairfax and Loudoun County area. Developed and maintained a positive sporting environment, promoting fair play and sportsmanship among players. Handled game situations effectively, using excellent communication.

Design, IT & Marketing Lead (Soccer) | http://www.novaroyalsfc.com | Designed and managed the club's website, incorporating registration functionalities that streamlined member sign-ups and event enrollments. Spearheaded digital marketing campaigns that increased club visibility and member engagement, utilizing platforms such as social media and email newsletters. Handled all club's event wireframes, templates, utilizing Photoshop, Lightroom, and Canva tools. Also established a secure donation page with payment solutions by accepting and managing payments online on the website through a secure HTTPS connection.