**Senior Software Engineer**

Innovative and detail-oriented professional with **13+ years** of experience in software development, web application management, and project administration. Armed with proficiency in system analysis, testing and implementation while ensuring on-time project completion. Adept at leveraging technology to solve process difficulties efficiently, combined with expertise in technical and analytical aspects of application development across various system development projects.

**Achievements**

* Developed an OOTB application, cutting client setup and rollout time from **2 months to 2 weeks** and an integration framework application to manage the client’s master and transactional data through FTP server efficiently.
* Optimized customer product implementation, cutting time from **4 weeks to 3 days**. Achieved this through the development of universal integration classes for efficient streamlined deployment across diverse clients.
* Reengineered an application module with jQuery, JSON, and Ajax that enhanced **response time to < 2 seconds**.
* Developed a reusable presentation layer component for seamless integration across the application module. This initiative resulted in 0 development hours for the Development Team during maintenance instances.
* Implemented a project, reducing ticket counts from **150 to 40 in 2.5 months**, enhancing efficiency and productivity.
* Utilizing the New Relic tool, proactively identified and **resolved 87%** (40 out of 46) silent crashes within stored procedures in a critical core module over the course of 2 sprints, resulting in enhanced stability and performance.
* Led a high-performing team, delivering a complex project within 3 months out of 5, **saving approx 30% of the budget (65K)** by meeting tight deadlines imposed due to budget constraints and avoiding a carryover to the next fiscal year.

**Experience**

**Lead Full Stack Developer, FPL, Palm Beach Gardens, FL** **Aug 2023 - Present**

**Project:** Central Maintenance (DWH)

**Technologies**: .NET Core, C# 11.0, Web API CORE, LINQ, EF Core, VS 2022, PostgreSQL, Angular.

* Proficient in **Angular** framework, with a deep understanding of **RxJS** and **observables** for handling asynchronous operations, ensuring responsive and data-driven applications with a strategic focus on optimizing performance.
* Extensive experience in seamlessly implementing data transfer between child components and parent components, leveraging Angular' s component communication mechanisms like Input and Output (events) decorators.
* Proficient in making asynchronous .NET Core Web API calls from Angular applications, efficiently fetching and displaying data, and ensuring proper error handling and status code validations for a streamlined process.
* Adept at implementing robust client-side data validation and form handling, ensuring data integrity and specialized in providing users with clear and meaningful error messages for a seamless user experience.
* Implemented QA and PROD deployment processes post-sprint, demonstrating expertise in creating and merging Git branches, resolving conflicts, and initiating Jenkins deployments. Executed precise scripts to guarantee successful releases in designated environments, emphasizing a commitment to efficient and controlled software delivery.
* Led a team of 5 in moving project capital parts management from Excel to a user-friendly UI, improving data management. experienced in crafting dynamic interfaces with Angular and Typescript for seamless user experiences.
* Proficient in Docker and Kubernetes, adept at containerization and orchestration for streamlined application deployment, scalability, and maintenance. Skilled in Domain Driven Development, focusing on scalable solutions.

**Senior DOTNET Developer, Coupa Software, Boca Raton, FL** **May 2017 - Jun 2023**

**Technologies**: .NET 4.5, VB.NET, C# 8.0, ASP.NET CORE, LINQ, EF Core, Web API, VS 2019, T-SQL 2017, MS SQL 2017, Azure, Microservices, xUnit, OAuth, GraphQL, React js.

* Utilized **C#** in implementing business logic, ADO.NET for data transactions, as well as lambda expression with **LINQ** and SQL Query with Entity Framework in conducting CRUD operation on the database from middle-tier.
* Adapted domain-driven design (**DDD**) for all the new product enhancements, which involves the migration of code from stored procedures to the domain service level to achieve efficient and scalable solutions.
* Implemented DDD code with robust domain validations by incorporating domain models, entities, DTOs and service methods. Addressed Localization, Logging, Auditing, **ACL/CSRF** secure coding in handling incoming HTTP requests.
* Led the development of a new project from scratch using **ABP framework**, establishing a domain driven architecture.
* Written consumable **GraphQL** **API** code to integrate with enterprise applications and to obtain live/synced data. Also written an exposable Web API in HTTP verbs to pub-sub from enterprise using **OAuth 2.0** implementation.
* Designed, developed, and deployed scalable cloud-based applications on the **Azure** platform using .NET Core, ASP.NET, and key Azure services such as **Azure Functions**, Azure App Service, and Azure SQL Database.
* Effectively integrated **MongoDB** with Azure services, specifically **Azure Cosmos DB**, to leverage the benefits of a globally distributed, scalable, and fully managed NoSQL database platform to enhance database infrastructure.
* Developed cloud-native applications on **Azure** using .NET and integrated MongoDB as a backend database, enabling seamless data storage and retrieval with high availability and scalability for optimized performance.
* Employed Azure functions and **serverless computing** to create event-driven architectures with MongoDB triggers, enabling real-time processing and data updates by allowing dynamic responses to changes in the database.
* Leveraged Azure Functions to build scalable, cost-effective serverless **microservices** and event-driven architectures.
* Developed and implemented unit test cases using **xUnit** for new domain service methods, with minimum of 95% code coverage. Standardized data setup using fixture classes and incorporated **Moq** for effective assertion testing.
* **RSpec** (Ruby) unit tests are written for all the SPs involved in migrating legacy SP code to Domain code.
* Demonstrated advanced proficiency in branching, merging, and version control using Team Foundation Server (TFS). Successfully immigrated to GitHub, enhancing efficiency in managing and maintaining product versions.
* Employed Jira, Confluence, FileZilla, and Slack for effective project management, file transfer, and communication.
* Designed and developed a front-end widget using **React JS** to optimize and enhance internal team’s productivity.
* Expertise in building scalable as reusable components by using **React** & **Redux** for multiple power apps.
* Worked on concepts like **JSX**, components, state, props, Forms, Events to create interactive React JS components.

**Software Engineer, Launchship Technology Solutions, Hyderabad, India Jul 2013 - May 2017**

**Technologies**:.NET 4.5, VB.NET, C# 5.0, MVC 5 (EFMVC Code first), LINQ, Web API, T-SQL 2017, JQuery, Angular JS.

* Spearheaded all facets of the software development life cycle (**SDLC**) of **EFMVC** architectural design, including development, testing and application deployment through implementation of a generic repository design pattern.
* Employed Entity Framework code first approach in **ASP.NET MVC** for product code development, concurrently engineered a single page application (SPA) in **AngularJS** by integrating services, directives, and components.
* Implemented new Domain-Driven Design (**DDD**) application using **Autofac** as a dependency injection (DI) container.
* Contributed to a seamless integration of client transactional and master data into the project database by developing job service (web service) and stored procedures using a tool kit for efficient and accurate data transfer.
* Directed the implementation of **RESTFUL** services through the **Web API** to broadcast requirements and post jobs with candidate profiles between the internal applications in JavaScript Object Notation (**JSON**) format.
* Developed complex join tables, carried out CRUD operations, and enhanced the normalization and performance of the database design by formulating database tables and writing **T-SQL** queries, functions, and stored procedures.
* Led comprehensive end-to-end testing, debugging and validation process, ensuring system integrity.
* Conducted thorough code assessments for developers, emphasizing syntax, business logic, and adherence to principals like SOLID, design patterns, and object-oriented programming (OOPs), with a focus on comments.
* Directed the conceptualization of a sub-product in the domain-driven development (DDD) modal and the implementation of **SOLID properties** in the project with a special emphasis on effective **dependency injection (DI)**.

**Web Application Developer, Foursoft IT, Hyderabad, India Jul 2010 - Jun 2013**

**Technologies**: .NET 4.0, C# 4/3, MVC 4, ASP.NET, ADO.NET, SQL Server 2008 R2, Visual Studio 2010.

* Conducted in-depth system analysis using Object-Oriented Analysis (OOA) and implemented application development adhering to Object-Oriented Programming/Development (OOP/OOD) concepts throughout all stages.
* Implemented Microsoft .NET design patterns, emphasizing **SOLID** properties with a focus on **dependency injection (DI)** and **inversion of control (IoC)**. Established all application pages using **Razor** and **ASPX view engines**.
* Utilized partial views to enhance reusability by providing a solution for maintenance challenges. Incorporated **jQuery** and **Ajax** to facilitate seamless asynchronous calls for pop-ups, enabling dynamic data gathering on the fly.
* Designed and optimized the **SQL database** and formulated tables, queries, dynamic queries, SPs, views, & triggers.
* Worked as part of the **Extract, Transformation, Load** (ETL) Team (SSIS), overseeing the efficient loading and transformation of data from Legacy system into the existing database for client and client contact modules in Ellis.
* Played a crucial role in SQL Server integration and reporting services (SSIS/SSRS) for ETL processes in Microsoft Business Intelligence (MSBI). Designed robust SSIS (ETL) packages, utilizing LOOKUP, fuzzy lookup, conditional split, data flow, multi-cast, data conversion, and script tasks for seamless data movement and transformation.
* Expertly crafted a diverse range of reports, demonstrating proficiency in tabular, matrix, sub-reports, linked, snapshot, ad hoc, drill-down, and drill-through reports, both parameterized and non-parameterized.
* Employed the Oracle Data Provider for .NET (ODP.Net) for efficient bulk updates & inserts into the Oracle database.
* Assumed responsibility for implementing custom authentication and state management modules through **HTTP modules**, optimizing request processing with minimal overhead for enhanced security and efficiency.
* Handled business and data access layers using C# and ADO.NET. Implemented essential ADO.NET classes including Dataset, DataTable, DataAdapter, and DataRow to ensure efficient data handling & manipulation in the application.
* Generated complex **SQL Stored Procedures** and **SQL functions** needed for new data insertion into the system.

**Technical Acumen**

|  |  |
| --- | --- |
| Languages | C#, VB.Net, C, LINQ, RSpec (Ruby) |
| Web Technologies | ASP.NET CORE, ASP.NET MVC, ADO.NET, Web API, Web Services, WCF |
| RDBMS and Databases | SQL Server, T-SQL, NOSQL |
| Scripting/Markup Languages | JavaScript, jQuery, React JS, Angular JS, Ajax, JSON, XML, HTML5, CSS3 |
| Cloud Technologies | Azure, AWS |
| IDE Tools | Visual Studio, VS Code, SSDT, BIDS |
| Source Control Tools | GitHub, Team Foundation Server (TFS), Visual Source Safe (VSS) |
| Monitoring Tools | ELK (Elastic Search, Logstash & Kibana), New Relic |
| Methodologies | Agile and Waterfall |
| Web Servers | IIS 7.5 / 6.0, SharePoint Portal 2010 |

 **Education**

**Bachelor of Engineering 2007 to 2010**

Jawaharlal Nehru Technological University (JNTU), Hyderabad, India