SOFTWARE ENGINEER

Experience

Software Engineer
April 2016 to July 2018 Proofpoint Inc

- HCA is the most diversified health care company in the United States and a leader worldwide in delivering a quality patient experience and providing care and improvement of human life.
- As a developer I am involved in developing various internal web and console applications for maintaining insurance plans of patients, alerting SSC's when goals are not met and facilitate communication between internal parties.
- Responsibilities: Designed and developed various Web API's using C#, ASP.Net and ASP.Net Core MVC for data exchange between client and server and for event driven processes.
- Implemented OOP concepts, Design Patterns and Dependency Injection in application development.
- Hands on experience working with HTML, CSS, JavaScript, jQuery, Ajax during various UI enhancements and bug fixes.
- Designed data model, creating and maintaining Database objects like Tables, Stored Procedures, Cursors, Triggers, User Defined Functions and Views in SQL server.
- Used ADO.NET and NHibernate ORM in the Data Access Layer for defining entity models, mapping it to the database and perform CRUD operations.
- Used swagger to generate API documentation and for testing purposes, along with Postman.
- Implemented Authentication, Authorization, Error Handling and Caching by creating various Action Attributes.
- Used log4net for logging at various levels of the application.
- Implemented unit test cases using NUnit and Moq frameworks.
- Used RabbitMQ message broker to drop messages to queues from a Web API, consume messages using Windows Service to push notifications to the UI in real time.
- Developed Workflows and Smart Forms using K2 workflow tool to automate processes and coordinate tasks between people.
- Deploying and configuring applications on IIS, monitoring IIS logs and application logs.
- Worked closely with the Business Analysts and Business Owners in requirement gathering and design review activities.
- Used TFS, Git for version control and administered TFS for check-ins, branches, builds and releases.
- Used agile methodologies for development through TDD, continuous integration and deployments, stand-up meetings.

Wireless Performance Analysis Intern
June 2015 to December 2015 Alcatel-Lucent, Naperville

- Gathered functional and non-functional requirements, worked on scope, data models and contracts for a new project.
- Developed a tool for performance analysis engineers and achieved improvement in efficiency and data availability.
- Worked on upgrade of present monitoring tools and automation of manual processes for 3G to 4G network upgrade for more than 3000 client sites and including new Key Performance Indicators to the tools.
- Used MySQL, PHP, HTML 5, CSS and Excel Macros.
- Developed optimized file parsers for complex XML MME and alarm data files to fetch real time data for over 3000 sites.
- Used Perl Wrote different test cases for unit testing, integration testing, and system testing under Black box testing.
- Weekly activity reports generation, presentation and analysis of project.

IT Graduate Assistant
September 2014 to May 2015 UIC School Of Public Health ï¼ Colorado

- Database design from scratch with information gathered from respondents from online surveys and Database administration.
- Gained strong MySQL skills by fetching data and developing reports using Perl scripts interacting with MySQL database.
- Creating Excel Macros to filter responses and provide these reports to the management team.
- Maintenance of department websites, server maintenance and worked on tickets in resolving issues related to webpages that are developed in asp.net.

Education

Master of Science : Electrical and Computer Engineering , Dec 2015 University of Illinois ï¼ City Electrical and Computer Engineering GPA: 3.41/4.00
Bachelor of Technology : Electronics and Communication Engineering , May 2014 Mahatma Gandhi Institute of Technology ï¼ City , India Electronics and Communication Engineering GPA: 3.8/4.00

Summary

2+ years of experience as a Software Developer with a background in diverse facets of the .NET, encompassing analysis, design, development, and execution of business applications, with expertise in framework design, process modeling, and requirements gathering. Well versed in Service-Oriented Architecture (SOA), developing n-tier architecture applications - UI/Presentation layer, Web APIs, enterprise level Class Libraries, Console Applications. Strong experience in Object Oriented Programming (OOP) and methodologies, implementing Design Patterns. Experienced in a fast paced Agile and Test Driven Development, SDLC, including Scrum and documentation of design process. Thrives in environments requiring ability to effectively prioritize and juggle multiple concurrent projects.

Highlights

- Programming Languages : C, C#, Perl, C++, T-SQL, PL/SQL
- Microsoft .Net Technologies : .NET Framework, .Net Core, ASP.NET, MVC, Web API, ADO.NET
- Databases : Microsoft SQL Server, MySQL
- IDE : Visual Studio, SQL Server Management Studio
- Web Development : HTML, CSS, AJAX, JavaScript, jQuery, Angular Js, XML, JSON
- Version Control Tools : Team Foundation Server, Git
- Workflow Tools : K2
- Servers : Windows Server, Microsoft IIS

Skills

.NET, ASP.Net, Microsoft .Net Technologies, 3G, ADO, agile, AJAX, API, application development, automate, automation, C, C++, client and server, contracts, CSS, client, Version Control, Database administration, Databases, Database, Database design, documentation, XML, fetch, Forms, functional, HTML, HTML 5, PHP, IDE, IIS, insurance, Microsoft IIS, JavaScript, jQuery, JSON, logging, Macros, meetings, Access, C#, Excel, exchange, Windows, MVC, MySQL, network, OOP, developer I, PL/SQL, performance analysis, Perl, processes, Programming, quality, real time, requirement, Servers, scripts, Microsoft SQL Server, SQL Server, surveys, Tables, T-SQL, upgrade, Visual Studio, Web Development, websites, Windows Server, Workflow