

**CAREER PROSPECT – WEB DEVELOPER/SOFTWARE ENGINEER**

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5 years of professional experience in software industry as Software Developer/Automation Engineer in the areas of analysis, design, development and testing of web applications using **ASP.NET/Core (MVC), Angular, MEAN, BDD using Selenium**. Strong leadership and team management skills to deliver successive outcomes, whereby, positioning organizations and products for success.

**Areas of expertise include:**

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|----------------------|----------------------------------|-----------------------------------|
| ▪ UI/UX Design       | ▪ Test Automation                | ▪ Mockups/Wireframing             |
| ▪ SCM and DevOps     | ▪ Cloud: Azure and Firebase      | ▪ Data analysis and visualization |
| ▪ Project Management | ▪ Agile practices and principles | ▪ Database: Oracle, SQL server,   |
| ▪ ASP.NET- C#        | ▪ DevOps - Azure                 | ▪ Unit and A/B Testing            |

**WORK EXPERIENCES**

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**IngeniousMed****June 2018 – Till date****Software Engineer (.NET)/Automation Engineer, Atlanta, GA****Summary:**

The enterprise application (**IMBill**) majorly focuses of simplifying clinical workflow for healthcare domain by providing industry leading solution such as: Practice and Enterprise solution which provides features like charge capture, care coordination and quality reporting – and expand the communication and coordination features across the enterprise to all care team members. Additional features like patients estimated length of stay indicator and customizable flags to help reduce costs by avoiding discharge delays and re-admissions.

**Core Responsibilities:**

- Assessing the business/project requirement through daily kick-off meetings with all project stakeholders and product owners to understand the project requirements, feature build-up, tools and methodologies to follow.
- Convert and/or build new intuitive user-interfaces and services for the enterprise application which are based on a legacy framework - **'web-forms'** to **ASP.NET MVC**. This also involves JavaScript, jQuery, custom CSS, implementing industry standard security sign-on and storing day-to-day customer information securely in the on-premises databases, perform code reviews and impart/discuss best coding practices etc.
- Create and configure automated project solution/job build and release application code to different project environments for testing, validation and final release using **Microsoft Team Foundation server (TFS)** and **Jenkins** respectively.
- Incorporate defensive programming by using different architecture pattern (MVC, Repository, Singleton etc.) to make the application robust and perform optimally.
- Convert legacy services in XML to web API's using Restful convention without undermining the Data-tier. Perform complex logical assertion for implementing business logic and verifying whether we are meeting our target features successfully.
- Document and debug new/existing test-cases written in **selenium, NUnit** and **Spec-flow** which involves step logics to hit every user interaction on browsers pre-dominantly IE and Chrome for the application's feature tacking and handling different scenarios involved for a feature based on any given parameters necessary.
- Setting up and resolving any issues arising with Virtual machines (VM's) that run on-premises to automate the testing process of handling the application interaction and behavior. Also, capturing and documenting the test run failures for root-cause analysis.
- Consult with other development team's (e.g. Quality Analyst groups, DBAs, middleware, etc.) to configure platforms for product upgrades having critical security patches, cumulative updates, bug fixes etc. while ensuring that these updates do not endanger critical legacy business application features for the **IMBill** application.

**Development Tools, Methodologies & Environments:** Agile approach, Microsoft TFS, HTML5/CSS3/JavaScript/JQuery, ASP.NET MVC (C#), MS SQL Server TSQL/SQL, Selenium, NUnit, Spec-flow, Jenkins.

**Summary:**

- Design and architecting Macy's HR management application (**INSITE-MyDay**) – **Availability & Accommodation** using **Angular 2 and above** and **ASP.NET(C#) MVC**.
- Developed a standalone Clocking application towards employee clocking and scheduling using **Angular, ASP.NET Core 2.1** and **Java**.

**Core Responsibilities:**

- Construction of system/application models, from sketches to pixel-perfect mockups to complex interactive HTML prototypes, for illustrative examples of solution specifications.
- Created Dynamic & Intuitive UI design using **HTML5 & CSS3, Bootstrap** for enriched user experience.
- Worked with **Angular 4** using **Angular CLI** and **.NET Core templates**, generated various components, routes, and services and structured the application code based on **Component based architecture**.
- Extensively involved in design discussions and user experience sessions to provide inputs on the layout, so, as to have optimized user interactions.
- Proficient in using **Angular 2** and above to create views to hook up models to the **DOM** and synchronize data between client and server for **Single Page Applications** without performance bottlenecks.
- Created API's (using **ASP.NET MVC** and **Web API's**) for performing CRUD operations with respect to employee's weekly availability and schedule generation.
- Develop database functions, scripts, stored procedures and triggers to support application development using Oracle SQL Developer & Oracle 11g
- Developed custom **Pipes** and **Directives** for addressing data filtering in the UI against a given set of rules and satisfying required business needs and functionality.
- Successfully designed and developed **RESTful** web services (**Dependency Injection**) to interact with API's to perform create, update and delete records, enforcing current industry standards and practices.
- Used **GIT** for source code management and worked with **Visual Studio** and **VSCode** IDE towards **CI/CD** pipeline towards application build and deploying in IIS servers.
- Performed Unit and Integration testing to validate application functionality against a given business requirement.
- Proficient Knowledge of **JIRA** to track issues and communicate with other teams at various environments.
- Designing detailed application specifications and partner with cross-functional teams to lead the process for coding/configuration, testing, implementation and documentation of solutions for complex application component design.

**Development Tools, Methodologies & Environments:** Agile approach, JIRA, Confluence, Axure, Angular 2 and above, HTML5/CSS3/JavaScript/Typescript, Bootstrap, ASP.NET MVC (C#), Core 2.0, Java, Oracle-PL/SQL, Web API's, Kronos HCM.

**NASA - Boeing Aerospace**

June 2016 – August 2016

**Software Associate - Intern**

**Summary:** Collaborating with Dr. Lisa Lacher, Visiting Assistant Professor and an independent researcher in the field of Software Architecture and Natural Language Processing for building and documenting stats w.r.t multi-threaded JavaScript processes.

**Core Responsibilities:**

- Building a series of code pipelines for testing multi-threaded application using **JavaScript web workers** for implementing **NLP algorithms**.
- Performed process documentation and doing programmable research using **aCe C**, a superset of **ACE (Architecture Adaptive Computing Environment)** which is a parallel computing language, compiler and runtime library.
- Main research work emphasized on comparing and documenting stats for **aCe C** parallel programming performance with web workers through multi-threading and Single thread processing of given NLP algorithms.
- Building process architecture in the form of UML diagrams: Class, Sequence and State-charts.
- Developing Database schema which involves creating tables, views, functions, complex stored procedures to store process stats.
- Generate data to be viewed on table with associated trigger events to perform data manipulation.
- Debugging the built code and analyzing the errors (if any).

**Development Tools, Methodologies & Environments:** Waterfall approach, MS Visio, HTML5, Bootstrap Form, CSS3, JavaScript, jQuery, SQL-Server, Rapidminer, Excel Procedures, IntelliJ IDE.

**Web Developer – IDO, Client: Sun Pharmaceutical, Cranbury, U.S.A**

**Summary:** Successful design of GUI for PharmaInsight™- A suite of solutions providing enhanced visibility, security and oversight over pharmaceutical supply-chain for enhanced tracking, management and transparency where-by collaborating in projects which involved web based enterprise software development in an agile driven environment.

**Core Responsibilities:**

- Successfully assisted in building 2 core modules of the suite using **ASP.NET MVC** and **Entity framework** for tracking and managing Drug Trial Reporting, medical assets and inventory management.
- Participate in technical design and application architecture sessions as needed during daily scrum meetings.
- Develop project plan, create pre-deployment checklists & implementation plans related to each sprint for an application module. Also, monitoring project progress on daily basis using Kanban board built-in to VSTS.
- Designing partial views and shared layouts for different views incorporating dynamic data-binding with **Angular framework**, custom navbar with associated event bindings and routes, Content management for micro-sites etc.
- Extensively used **AngularJS** (Controllers, Services, Directives) features for two-way data binding, custom directives (class binding and property binding) for page elements, attach event bindings and routing-links to different page elements etc.
- Creating reusable components and services for code optimization and reusability whereby encapsulating common set of solutions and/or features.
- Experience with SQL Server, SQL database programming concepts, including database architecture, stored procedures, query optimization, views, UDF and checking performance/scalability of database.
- Optimizing architecture design based on **OOPS** principle and implementing best software design practices for implementing **dependency injection** and **inversion principle** while creating application services.
- Implementing **RESTful API** controllers for exposing application endpoints and securely implementing **CRUD** operations using Web API filters and attributes for implementing different constraints to the endpoint.
- Have good exposure and sound knowledge on Software Development Life cycle and all its phases such as requirements gathering, analysis, design, coding, testing, deployment and maintenance, Agile Methodologies (Sprint planning, Sprint review meeting, Daily Scrum activities and Sprint retrospective)

**Development Tools, Methodologies & Environments:** Object-Oriented Design (OOD), Project Management, UML Design, Confluence/JIRA, Agile-SCRUM Approach using VSTS, ASP.NET(C#) MVC, Microsoft, AngularJS.

**HCL Technologies - INDIA**

May 2013 - April 2014

**Assistant Developer (.NET), Client: MSME, Odisha Medical Corporation, HDFC Bank**

**Summary:** Developing a web-portal with associated modules for internal management process to align workings of **MSME** and **NIC** - Premier ICT Organization of the Government of India with its local business objectives in managing agency's/Individual application for capital funding approval based on a set of guidelines and approvals on verification. Also, collaborated in projects for a private bank for creating and managing customer credit profiling and reporting for loan approvals, optimizing data abstraction layer and associated business logics.

**Development Tools, Methodologies & Environments:** TDD with Rapid prototyping, ASP.NET (C#), WPF-WCF, MS-SQL Server 2012, CI/CD Pipeline.

**Microsoft – INDIA**

January 2012 - December 2014

**Community Evangelist**

**Development Tools, Methodologies & Environments:** MS Visual Studio, Azure Portal, Cross-Platform Apps(Xamarin), HTML (5.0 - XHTML 1.0), CSS3, JavaScript, jQuery, AJAX, ASP.NET (Webforms & MVC), TFS.

**Pearson Educomp**

September 2011 - July 2012

**IT Analyst – I****Project: Multimedia Based Educational Content Development Project for Digital Classroom**

**Development Tools, Methodologies & Environments:** UI/UX Mock-ups, Axure Tool, UML design, Adobe Photoshop, HTML (4.5/5.0), CSS3, JavaScript.

**EDUCATION**

**Master's in Software Engineering** - 2017, University of Houston, Clear-Lake - **GPA: 3.92/4.00**

**Bachelor's in Computer Science and Engineering** – 2014, ITER, S'O'A University - **GPA: 3.8/4.00**

## TECHNICAL SKILLS

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<b>.Net Technologies</b>	.Net Framework: 4.5 and above, Core 2.0 and above, Web API/MVC Controller, Identity
<b>Languages</b>	C#, Java, C++, Dart, XAML
<b>Web Technologies</b>	HTML5, CSS3, SASS, Bootstrap 4 & 5, Material design, Angular, JavaScript (ES5 and ES6), Typescript, jQuery, Rxjs, JWT, Auth0, GraphQL, Selenium, Cucumber BDD (Gherkin)
<b>Mobile Technologies</b>	Xamarin Forms (Xaml), Flutter
<b>Database</b>	SQL Server 2016/2012 rc-2, MySQL, Oracle 11g, MongoDB, DynamoDB, Amazon RDS, Firebase NoSql DB.
<b>SDLC Tools/Others</b>	Confluence, JIRA, MS Project, Axure, Invision, VWO, Photoshop CC, VSTS AGILE Planning, Smartsheet.
<b>Reporting Services</b>	SSRS, Tableau
<b>Web Server</b>	IIS 6.0/ 7.0, Nginx, Apache
<b>Cloud Technologies</b>	VSTS, TFS, Azure, Firebase, Amazon S3
<b>Version Control</b>	SVN, GIT and GITHUB
<b>IDE</b>	Visual Studio: 2015/2017/2019, IntelliJ, ATOM, VSCode, SSMS, Katalon Studio
<b>Design and Modeling</b>	MVC 4.5/ 5.0, MVVM
<b>Operation System</b>	Windows 7/ 8 /10, Linux, MacOS

