Ashok Balakumar

Full Stack Software Developer

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EXPERIENCE

Anaqua, Boston, MA
Consulting Software Engineer

February 2021 – Present

- Converted and modified presentation layer of acquired Quantify IP Estimator Online legacy application to Anaqua stylesheet look and feel.
- Implemented pdf generation logic using Pechkin HTML to PDF libraries to generate crisp pdf layouts of patent application report estimates for download or email.
- Leveraged the power of AJAX and Bootstrap components to provide a rich look and feel while minimizing server post backs, thus boosting performance of several application-specific features.
- Improved client-side validation across all ASP web pages of Estimator Online.
- Debugged and Tested code in ASP and VB.NET while using Tortoise SVN as a source control tool.

Dassault Systèmes, Waltham, MA
Consulting Software Engineer

November 2019 – January 2021

- Transformed UI and scalability of proprietary Post-Split configuration WinForms application to an IIS Web Forms application incorporating Bootstrap and AJAX Control Toolkit for a superior look and feel.
- Rewrote logic for much of the C# source code in Post-Split configuration tool to correct errors in product builds following periodic Stream Splits.
- Implemented UI dashboards and console applications to streamline 3DS media uploads that ran off a daily schedule.

Triumvirate Environmental, Somerville, MA
Software Developer

March 2018 – November 2019

- Researched, transformed and customized existing Entity Framework platform from EDMX to Code First, across all major projects, to comply with EF7 and EF Core support.
- Transformed Triumvirate's paper-intensive manifest submission process by developing an e-Manifest API to integrate with US EPA's web API thus slashing submission costs, minimizing systemic errors and providing real time feedback.
- Responsible for full-stack development of several workflows involving multiple stages of approval.
- Adopted Dependency Injection with StructureMap in ASP.NET MVC for principled Object-Oriented programming.
- Applied Singleton design pattern across application interface layers during feature development.
- Displayed competence in all stages of the Software Development Life Cycle.

Benefits Management Group, Oak Brook, IL
Web Application Developer

January 2014 - December 2015

- Created the SQL stored procedure that ensured data compliance with new Employer provided 1095-C insurance coverage form.
- Saved operational costs by utilizing open source C# libraries to automate transfer of union files between a shared network drive and remote client servers via SFTP.
- Developed and implemented the user interface for a demo application used by company CIO to attract prospective clients.
- Generated and validated application reports using SQL Server Reporting Services (SSRS).
- Gathered knowledge on the company's domain of operation and business requirements.

SKILLS

Languages: HTML, CSS, SASS, JavaScript, jQuery, C#, SSRS Ruby, SQL, N1QL, C, Java, Visual Basic, MATLAB

Web Development: Ruby on Rails, Express.js, React.js, Redux, ASP, ASP.NET MVC, ASP.NET Web Forms, VB.NET, AJAX, Telerik UI, Azure DevOps Server, Perforce, Tortoise SVN, SOAP, REST

Methodologies: Agile Scrum, Kanban

Database: MS SQL server, Stored Procedures, Views, Triggers, Entity Framework, ADO.NET, PostgreSQL, MongoDB, Mongoose.js, Couchbase

Applications: MS Visual Studio, MS Office, MS SQL Server Reporting Services, MS SQL Server Integration Services, Beacon Spyglass, Redgate, Windows Task Scheduler, JIRA, Confluence, FogBugz

CERTIFICATIONS

General Assembly:

- Web Development Immersive Certificate of Completion

Coursera Course Certificates:

- Java Programming: Solving problems with Software

- Programming foundations with JavaScript, HTML and CSS

- Front-End Web Development with React

EDUCATION

The University of Texas Arlington, Arlington, TX

BSc Electrical Engineering

Overall GPA: 3.44/4.00

Inducted into Tau Beta Pi engineering honor society, Eta Kappa Nu electrical and computer engineering honor society, and Golden Key International honor society for scholastic merit.