

# Ashok Balakumar

Full Stack Software Developer

## EXPERIENCE

**Dassault Systèmes**, Waltham, MA

*Consulting Software Engineer*

November 2019 – Present

- Actively engaged in full stack development in ASP.NET Web Forms and ASP.NET MVC frameworks as part of an Agile Kanban team.
- Enhanced performance and scalability of configuration tools used in product release processes.
- Implemented UI dashboards and console applications to streamline 3DS media uploads, while providing expert advice and recommendations.

**Triumvirate Environmental**, Somerville, MA

*Software Developer*

March 2018 – November 2019

- Engaged in full stack development of enterprise scale web and desktop applications, primarily for internal clients, in an Agile Scrum team.
- Adopted Dependency Injection with StructureMap in ASP.NET MVC for principled Object-Oriented programming.
- Acquired knowledge of abstract design patterns such as Factory Method, Singleton and Strategy, and advantages of each in facilitating re-usability of code.
- Employed coding best practices, and refactoring of code, ensuring organization and legibility.
- Displayed competence in all stages of the Software Development Life Cycle.
- Developed Triumvirate's e-Manifest API to integrate with US EPA's web API via RESTful requests, transitioning from a paper-intensive process to an electronic system, and therefore complying with federal requirements.

**Techbiz Africa**, Nairobi, Kenya

*Web Application Developer (Contractor)*

April 2016 - September 2017

- Developed Craft Silicon's "Hello Kenyan" web portal for use by members of the public and the Kenyan government during election strife.
- Improvised several reports in SSRS and Visual Studio for major banks and financial institutions (including Barclays, Prime bank) through Craft Silicon's proprietary Banker's realm electronic fund transfer (BREFT) channels platform.
- Assisted H. Young & Co. development manager in visual basic source code correction of the firm's inventory management system built in VB.NET.

**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.
- Utilized open source C# libraries to automate operations involving the transfer of union files between a shared network drive and remote client servers via a SFTP site, preventing the need to purchase expensive SFTP software.
- Developed and implemented the user interface for a demo application used by company CIO to attract prospective clients.

Greater Boston Area

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[github.com/axb6452](https://github.com/axb6452)

## SKILLS

**Languages:** HTML, CSS, SASS,

JavaScript, jQuery, C#,

Ruby, SQL, N1QL, C, Java, Visual

Basic, MATLAB

**Web Development:** Ruby on Rails,

Express.js, React.js, Redux, Visual Studio,

ASP.NET MVC, ASP.NET Web Forms,

AJAX, Telerik UI, Azure DevOps, Team

Foundation Server

**Database:** MS SQL server, Stored

Procedures, Views, Triggers,

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

## 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.