

Karthik Subramanian

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Website

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Summary

- 6 years of hands-on experience in developing & maintaining commercial quality enterprise software.
- Proficient in OOD, SOA, Framework Design, Web/Windows Development and DB Architecture.
- Proven leader with experience as a mentor, team lead, architect and Onsite Technical Lead
- Articulate and confident communicator with excellent client interaction skills, extremely capable of working in high pressure situations ensuring timely & quality delivery.
- Quick learner with minimal learning curve for any new technology

Skills

Programming Languages	C#.Net, VB.Net, PL/SQL, XAML, VB, Java, C++
Scripting Languages	VB Script, JavaScript
RDBMS	SQL Server 2005/2008R2, MS-Access
ORM	Entity Framework 4.5, NHibernate, PetaPoco, Dapper .Net
Web Technologies	ASP.Net, HTML 5, CSS 3, Bootstrap 3, XML, JSON, DotNetNuke, JQuery, Knockout JS, Angular JS
Source Control	SVN 1.6.6, TFS 2015, Visual Source Safe
Tools	Visual Studio 2008,2010,2012,2015, SQL Server Management Studio, Confluence, SOAP UI 3.5, Postman, Fiddler, FileZilla, Infragistics, SSRS & Crystal Reports
Messaging	RabbitMQ, EasyNetQ, SOAP & RESTful Services
Domain	Media & Entertainment

Education

B.E in Information Technology, Mumbai University, India

Microsoft Certification- 70-515 TS: *Web Applications Development with Microsoft .NET Framework 4*

Microsoft certification- 70-519 PRO: *Designing and Developing Web Applications Using Microsoft .NET Framework 4*

Onsite Technical Lead

2014 - Present

The client is a leading global mass media organization with interests primarily in, but not limited to, cinema and cable television. *PTS* is designed to assist the programming departments of the client in maintaining, schedule planning, tracking and reporting programs across 170 channels for approximately 700 million subscribers across 160 countries.

PTSX Web

The project involves developing a web interface to support the legacy WinForms application. The goal is to provide a complimenting UI that will allow users to access metadata & scheduling content on the go. The web application is built using HTML5, CSS3, JQuery & AngularJS 1.5. For data, the existing REST services are being leveraged.

- Responsibilities include requirement gathering, analysis & documenting, solution architecting & project management
- Map existing functionality and determine how to enhance/duplicate in the web application
- Developing and unit testing multiple modules
- Lead a team of 7 & Manage end to end delivery of all offshore projects on the legacy application simultaneously
- Design, Develop & Enforce design standards & best practices for the team

Program Tracking System (PTS)

The project entails maintenance & enhancement of an existing legacy WinForm application. The application is built using VB.Net & C#.Net, SQL Server 2008R2, Crystal Reports in .Net Framework 4.5. Latest enhancements involve Infragistics 2014, PetaPoco & RabbitMQ.

- Responsibilities include requirement gathering, analysis & documenting, solution architecting & project management
- Conduct brainstorming sessions with the Programming & Scheduling departments to optimize process workflows
- Spearheaded the migration of multiple networks onto the application, automating several of the manual processes which ultimately saved the client \$50,000
- Currently designing the applications internal messaging framework at an enterprise level using Rabbit MQ & Restful Services
- Lead a team of 7 & Manage end to end delivery of all offshore projects
- Design, Develop & Enforce design standards & best practices

Project Lead

2013 - 2014

Program Tracking System (PTS), Media Monitor

Media Monitor is designed to assist the multiplatform departments of the client to package and deliver media assets present in the DAM that are subject to multiple stitching processes based on work orders. It automates a critical part of the customers supply chain.

- Supervised 2 project teams & ensured timely & quality delivery of all their tasks
- Design & Development of critical & business sensitive modules
- Remodeled several application modules by constructing reusable custom WinForms/Infragistics controls
- Conducted Resource Loading, Timesheet Tracking, Senior Management Reviews & QA Compliance as per CMMI SVC 1.3
- Improved overall quality of project deliverables by enforcing stringent coding standards & implementing appropriate design patterns

Program Tracking System (PTS), Metadata Validator, BugNet

The *BugNet* project is an initiative for planning, tracking and reporting of all deliverables, generating intuitive reports on demand and by schedule for senior management enabling them to take quick informed decisions easily.

Metadata Validator was a re-write of a legacy WinForms application into WPF using the MVVM architecture & NHibernate ORM. It monitors the delivery of assets to VOD Partners such as YouTube, Hulu & Amazon and provides a dashboard of all relevant information.

- Designed the User Interface framework, template layout using Master Pages & XAML
- Enhanced the user experience by creating intuitive & fast user controls
- Customized & Deployed the BugNet Open Source Web Application, fixing & submitting multiple issues in the system which were later incorporated in subsequent releases
- Trained & mentored team mates in MVVM, NHibernate & SSRS

Software Developer**2010 – 2011****Anti-Piracy Web Crawler**

Anti-Piracy Web Crawler comprised of a suite of tools designed to track piracy of specific audio and video content on the internet. The intent was to track and obtain details of videos being aired or available for download across several popular sites such as YouTube, MetaCafe etc.

- Developed Web Connect Access Scripts & parsing algorithms
- Generated analytical reports of Pirated Videos & extrapolated various patterns & usage across several demographics
- Unit & Integration Testing
- Documented & Maintained design documents & release notes