

# Pushpalatha Madhan, MTech

+91-63662-21270 | [pushpa.mb@gmail.com](mailto:pushpa.mb@gmail.com)

## Engineering Manager | Software Project Manager | Technical Program manager

**Specialized in: Technical Leadership, Project management, and Developing solutions**

10+ years of software engineering experience, including 3 years in technical leadership roles and a certified scrum master. Proven ability to take multiple projects from initiation to completion. Strong sense of ownership and ability to work under minimum guidance. A result oriented team player with ability to lead co-workers through influence. Seeking to make an impact with my excellent technical and project management skills.

Saba LMS | Agile / Scrum Methodologies | Process Improvements | Project Management  
Remote team collaboration | Mentor

## Professional Experience

### Technical Lead / Senior Software Engineer – Oak Ridge National Laboratory, USA

2013 – 2018

US Department of Energy's science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. 5000+ staff operations, using Saba Learning Management System for compliance training, On boarding and much more.

#### *Project Management/ Team lead experience*

- Led a team of engineers (5) to successful completion of upgrade Saba Learning Management System (LMS) from version 5.5 to version 7.0 with more than 40 customizations.
- Performed Sprint ceremonies like daily standup, sprint planning and sprint retrospectives.
- Collaborated closely with product owner on backlog grooming to keep the product backlog relevant and prioritized, ensuring the acceptance criteria are agreed upon and stories are ready for sizing.
- Effectively track team's (offsite and onsite team )progress, including burndown charts and velocity.
- Collaborated with QA peers on test case reviews and continuously improved test approach and design.

#### *Technical Lead experience*

- Improved initial load time of Saba LMS from 40 secs to 2 secs by applying best practices in performance tuning and was recognized as an outstanding contributor to the team with spot bonus.
- Implemented Single Sign on using Pingfederate and SAML. Eliminating the need for signing in from an on campus network connected computer.
- Created REST Webservice using ASP.NET and C# to present training data of a user on company Sharepoint portal.
- Modified Webservice written in Java to interact with SAP services to retrieve new joinee information and assign required training.
- Customized REST Webservice written in C# that interfaced SABA LMS with the rest of the company's internal applications.

### Lead Software Engineer – TeamHealth, USA

2012 – 2013

Team Health is the largest provider of healthcare professional staff in the United States. Team Health institute provides online educational tools to clinicians affiliated with Team Health. 5000+ healthcare professionals used Sharepoint on a daily basis.

- Developed Sharepoint website to display e-learning videos and integrated with SABA's LMS
- Developed a custom webpart using C# and ASP.NET to get the Quiz(data) from SABA to check if the user has completed the course to get full credit.
- Developed an interactive user interface using this JQuery with custom CSS and HTML to display upcoming and completed training.

## Software Engineer – SNS, Oak Ridge National Laboratory, USA

2008 – 2010

US Department of Energy's science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. Home to Spallation Neutron Source (SNS), the World's most advanced neutron scattering research facility.

### *LabVIEW based Motion Control for Laser Emittance*

Developed a LabVIEW based motion control software for NI PXI 7350 servo/stepper motor controller.

- Interfaced with Engineers and Scientists to identify requirements.
- Controlled servo motor movements with direction and position (relative/absolute) inputs.
- Developed logic to accurately position the laser to make measurements.

### *Quality Assurance Project.*

Developed a central web based application to enhance productivity and quality of services for the systems designed and maintained by Beam Instrumentation Group.

- Used Windows SharePoint Services (WSS 3.0) which has SQL Server as an internal database.
- Customized Workflows to facilitate project proposal input, project approval, budgeting, purchasing of components by authorized group members.
- Developed WebParts using ASP.NET and C# to manage the project related documents.
- Automated project page creation using Server Side Scripting (SSS) based on templates.
- Developed report pages to display data from several lists using JavaScript.

### *Web-based Rack Profile Information Administration.*

Developed an interactive web application to keep the information pertaining to the NADs up to date via a rich user interface.

- Used PHP, HTML, CSS, JavaScript (AJAX) and Oracle on a Linux server.
- Incorporated features like Drag N Drop, sorting, inline editing using JavaScript libraries.
- Ported web application to SharePoint for phase two of the project.

## Software Engineer - Eminent Labs, India

2006 - 2008

Software services company (B2B) providing end to end client solutions.

- Developed a wide range of software solutions and Managed multiple assignments throughout the complete software development life cycle (SDLC).

## Education

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**MTech, Computer Science and Engineering** – Visvesvaraya Technological University, India

**BTech, Information Science and Engineering** – Visvesvaraya Technological University, India

## Certification

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Certified Scrum Master (Scrum Alliance) - [1173236-csm](#)

Project Management Professional (PMP)\*

## Technical Skills

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| Languages        | C, C++, VC++, Java, C#, LabVIEW, PERL, PHP, VB, HTML, XML.                     |
| Database         | MySQL, Oracle, SQL Server, RDBMS, MS Access, SSRS, SQLite.                     |
| Web Technologies | SABA LMS, ASP.NET, SharePoint, HTML, CSS, JavaScript (AJAX), PHP, CGI, Joomla. |
| Platform         | Windows, UNIX, Linux.  |
| Packages         | Subversion, Dreamweaver, Flash, Photoshop, iMovie, Fireworks.                  |