

Pradeep Murugesan

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Experience – 6.5 Years

Summary:

I'm a full stack Web Developer with experience in **Java, C#, python** and extensive proficiency in **Javascript**, and its libraries like **Angular Js, JQuery**.

- I work as a Software Engineer at Trimble information Technologies, Chennai, India.
- Been 6 years into the industry still the thirst to learn and passion to solve challenging problems faces a positive slope in the graph.
- Strong skills in OOP concepts and prioritize clean coding practices.
- Always open to learn new things and an open source contributor.
- Motivated myself to develop an android app and also few hobby projects to learn technologies.

Technical Skills

Technologies	: JavaScript, Perl , Python , Core Java ,J2EE, SQL, Angular JS
Operating Systems	: Windows , Linux
Databases	: My-SQL, Oracle

Personal Projects

1.SM(S)TATEMENTS: <https://play.google.com/store/apps/details?id=com.sms.accounting>

Android application that reads the transaction alerts sent by the banks whenever you swipe the card in an ATM or make any purchases or for internet transfers. The read data is displayed for the user in statement format.

Open Source Works

1. Skywriter (a) Bospin

Platform: JavaScript,Python

Cloud based text editor, initially owned by Mozilla labs. The intent of the editor was to provide the collaboration in an easy way. I have contributed a plugin which actually matches the parenthesis and also fixed some syntax highlighting issues. Being the first open source project, the learning I took was the communication with an open source community and getting things done, which was pretty interesting.

2. Freemarker Online

Platform: Java, JavaScript

<http://freemarker-online.kenshoo.com>

FreeMarker is a Java template engine, now part of apache incubator project. The online template testing functionality was provided by kenshoo. The site was not ajaxified meaning the form gets submitted every time we click on submit. Made the backend as a rest service with an ajaxified front end using jQuery.

Github Url : <https://github.com/kenshoo/freemarker-online>

3. Freemarker

Platform: Java

<http://freemarker.incubator.apache.org/>

FreeMarker is a Java template engine, now part of apache incubator project. We thought of integrating the above online template test tool with freemarker manual. The idea is to have a Try it out button in manual which will open the tool in a new tab and execute. Also added a feature of freemarker template engine's xml dom processor.

Github Url : <https://github.com/apache/incubator-freemarker>

4.Eclipse - Vagrant

Platform: Java

Vagrant is a tool to set up easy development environments. Eclipse Vagrant is a plugin for eclipse that allows accessing the vagrant commands from Eclipse. The plugin had an issue while working in windows. Fixed it by adding a user preference page for the plugin.

Github Url: <https://github.com/pradeepmurugesan/eclipse-vagrant>

Trimble Information Technologies

1. APICloud

Platform: Java, Angular JS, Hibernate, MySql

TPaaS is the platform service provider for Trimble and one of the services that TPaaS provides is API Cloud. The divisions can come here and publish their APIs and other divisions can subscribe to the same and consume it. We used already existing solution of WSO2's API Manager and customized the same to work for our needs. Worked on revamping the UI as per Trimble's UI guidelines.

Challenges and Responsibilities

- Set up the initial Project structure for the REST services
- Researched and decided for Adapter pattern for the project to connect between the UI and wso2 services
- Designed the Postman scripts for Automation testing and did an integration with newman for continuous testing
- Worked on the UI features and also implemented all the validation part
- Implemented a custom DB for enhanced searching of the APIs

2. Continuous Integration

Platform: Jenkins

TPaas being a start-up division in Trimble lagged the continuous build process. Helped the team in setting up the continuous build process using Jenkins to build our maven artifacts and push them to the servers on AWS cloud and deploy the same. Later was able to trigger the automated postman scripts with the library newman.

Challenges and Responsibilities

- Getting the build number into the war was pretty good challenge, finally maven's ability to replace the variables in resources file came for rescue

Global Scholar (a) Scantron

1. PI - Professional Development

Platform: C#, AngularJs, SQL Server

GS being a product on the education domain provided a fully loaded product for the schools to enroll students, track assessments etc. through a web application. Professional Development is an extension for the above where the teachers will be trained professionally to improve their skills and teach students.

Challenges and Responsibilities

- developing REST services for the product
- Owned Feature End to End, implement from the Service Layer till the UI Layer
- Got exposed to Selenium the UI testing tool and wrote dev smoke test scripts
- Switching to Angular Js context from a JQuery background was a good challenge and I thoroughly enjoyed transformation

2. SIS – Student Information System

Platform: C#, Javascript, SQL Server

SIS is another product for GS which holds the student's information. This is a core product which supplied data to other major products of GS like PI, GradeBook .

Challenges and Responsibilities

- Went as a replacement resource and finding my groove initially was a bit interesting
- Implemented Rest services
- Wrote a windows script (.bat) developer utility to set up the dev servers locally
- Switching to Angular Js context from a JQuery background was a good challenge and I thoroughly enjoyed transformation

OrangeScape Technologies

1. Javascript Utility for Rest APIS

Platform: JavaScript, AJAX, JQuery

Orangescape Studio is a Visual PaaS and helped people to build application just like a drag and drop feature. The outcome of the tool can be hosted in any cloud. The application created through orangescape studio uses rest extensively. To enable the mashups of those application created we required a Javascript library or SDK which allows people to interact with the hosted application easily.

Challenges and Responsibilities

- Understand JQuery plugin architecture
- Since mashup to be enabled in external sites got exposed to JSONP , CORS
- Changed the server changes so that the JSONP is enabled

2. KISS Flow

Platform: Python, Django

Kiss Flow is a simplified version of Orangescape studio so that small applications which has a minimal workflow can be implemented with ease. Most of the service was rewritten from the Orangescape studio to fit the needs.

Challenges and Responsibilities

- Python Rest services
- Implemented end to end Unit test cases
- Experienced the TDD which turned out be a very good industry practice I learnt
- Learnt the clean coding principles and practices

Personal Details:

Date Of Birth	:	14 th February 1988
Gender	:	Male
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