

Jacob Kurien

Software Engineer, Microsoft

Summary

I am an engineer at heart with lot of passion for new technology and always on the lookout of opportunities to make great impact in the lives to many people. Currently having fun in the world of Machine learning and Big data.

Experience

Software Engineer - Machine learning at Microsoft

October 2015 - Present

1. I have worked at Dynamics CRM team and created News Classifications models for en-gb, en-au and en-ca markets to classify news as into different categories as Leadership Change, Partnership, Legal, etc. Used logistic regression technique here and deployed the models in the Bing pipeline.

All the business news from Bing will be classified into different categories as Leadership Change, Partnership, Legal, etc and this will shown to sales customers on their Account Page which will give them a current pulse of their different sales accounts.

2. Made changes to the internal tool called debugdynamics and got it hosted as an Azure web app and also implemented AAD for authentication.

4. Currently working on Demand forecaster for inventory management. The Demand forecaster will be able to forecast the demand of a particular product by learning from the previous sales data of the product.

Software Engineer

January 2013 - October 2015 (2 years 10 months)

I worked for the Microsoft Project team under Microsoft Office. I have done the following noteworthy work:

1. Created multi timeline bars feature, which will help customers visualize their projects and tasks in multiple timeline bars. Also worked on getting the Groups feature integrated in the Product called Planner which is used for lightweight Project Management.

2. Created an auto-hosted SharePoint App for Agile Planning for all 94 teams in Microsoft Office. This App connects the on prem database having all the work items to the online SharePoint list and keeps them in sync. This connection was done using Azure service bus. Also created the on prem service that talks to this database.

3. Made changes to the automation infrastructure to switch on/off the flighted features and wrote a lot of automations for the flighted features.

4. Created a simple logging api provider for Usage Logging for the whole team and implemented product features to use this for the Usage logging. Also worked on enabling logging through the browser for collecting usage data.
5. Wrote Probes for actively monitoring the Project Online sites which raises alerts when the site goes down, so that the site can be fixed before the customer notices it.

Internship - Software Development Engineer in Test

May 2012 - August 2012 (4 months)

I joined the Work Management App team which is a part of Microsoft Office. WMA team works on Microsoft Office SharePoint and Project Products. I learned the core and integrated aspects of Semi structured to structured scenario, where a client will migrate from using the SharePoint tasklist to manage his projects to Project server with all the rich functionalities to manage his projects. My responsibility included logging bugs on Project 2013. I was also expected to automate high level Test scenarios. My stretch goal was to create a Tool which checks for Data Integrity between the SharePoint tasklist and the Project Server using client Side Object Model.

I automated 7 high level Test Scenarios. I logged bugs on Project 2013 and also won awards in Focus days for logging the most number of bugs. I also created the Data Validator tool which found many bugs. I also created a script in PowerShell which reduces all the monotonous work done in 30 minutes to just a click of button and the work gets done in 3 sec.

Graduate Teaching Assistant

January 2012 - May 2012 (5 months)

Courses for which I have worked as TA are:

- 1) Signals and Systems: Continuous and Discrete-Time
- 2) Communication Systems

My responsibilities include giving MATLAB Recitation classes, holding office hours, grading assignments, formulating MATLAB assignment questions and proctoring the exams.

Tutor

September 2011 - December 2011 (4 months)

Tutored students in Algebra, Calculus and Computer Programming

Software Engineer at Infosys

September 2009 - July 2011 (1 year 11 months)

I have extensive experience with client interaction, requirements gathering and document generation, estimation of hours needed for a particular job, coding, test plan generation, writing test cases, coding, testing before freezing the code for weekly as well as monthly release.

The projects undertaken are as follows

- 1) Bank of America Project in JAVA Technology using BORNEO framework.

Education

Penn State University

Master of Science (MS), Electrical and Electronics Engineering, 2011 - 2012

University of Kerala

Bachelor of Technology (B.Tech.), Electrical, Electronics and Communications Engineering, 2005 - 2009

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[Contact Jacob on LinkedIn](#)