

Kunal S Setpal

Objective

Looking for a full time Software Engineer position with your organization to apply and hone my coding, problem solving and technical skills in the design, development, testing and deployment of computing systems. Date of graduation - December 2017.

Education

2015 - Present	Rochester Institute of Technology MS in Computer Software Engineering GPA : 3.88	2011 - 2015	Visvesvaraya Technology University B.E in Information Science
-----------------------	---	--------------------	---

Technical Skills

- ❖ **Back End Languages:** Java, ASP.Net C#, Ruby, C , R, Python, XML
- ❖ **Front end Languages:** HTML, CSS, Javascript, angularJS, ajax, JQuery, DropzoneJS
- ❖ **Databases :** Oracle, SQL server, Mysql, MongoDB
- ❖ **OS :** Windows XP,7,8,10, Ubuntu
- ❖ **IDE:** IntelliJ, Visual Studio, CodeBlocks, Git, SVN, Pycharm
- ❖ **Tools:** MySql Workbench, Toad, Ant, Redmine, ReadyAPI, SOAPUI, Adobe Dreamweaver, Notepad++, Chrome Debugger, Trello
- ❖ **Other:** Rails, Git, SVN, Bitbucket, Django, JIRA, RESTful API, Agile methodology, WCF, GlassFish, Hibernate, Magick.Net, Mockito

Experience

Developer(Co-op) at Paychex(Rochester, NY)

August 2016 - May 2017

- ❖ **PXI Imaging Rewrite :** Full stack development of an internal web application using Asp.Net MVC5 framework and Oracle Sql Database. The app which is replacement for the legacy desktop version, is used to upload reports of various types. Front end - HTML5, angularJS with DropzoneJS library to implement the drag and drop files feature. Used dependency Injection and Factory Design Patterns to create testable code
- ❖ **FormsMonitor :** Full stack development of an internal web application using Asp.Net MVC framework. It communicates with various external SOAP web services via WCF and is used to aid testers/analysts to see the status of onboarding of new clients
- ❖ **Payx401kWorkflowSvc :** Added support for multi subnet database failover for this .Net service
- ❖ **Enterprise Reporting Service :** Enhanced C# .Net web service that interacts with other web services through WCF to enhance performance in terms of the client making less number of service calls to perform a given functionality. Involved rewriting the existing public methods of the service and modifying the data contracts required by the same services. Unit tested using Microsoft fakes
- ❖ **Automated Testing :** Used Taffy (an in house automation testing tool) to develop test harnesses for all Tier 0 web services
- ❖ **Unit testing of internal web service applications using JUnit test and Mockito (WEBORS) :** Coded unit tests for a legacy system that was used to retrieve client reports from the database. Used Mockito to mock the data obtained from external web services

Developer(Intern) at Jobspire(Bangalore, India)

June 2017 - August 2017

- ❖ **DealsWolf -** It is a Ruby on rails web application that serves as a project management tool for the marketing domain. Implemented payment gateway - Razorpay, and also fixed other bugs in the system before it went live.

Projects

- ❖ **Code Changes Reporter :** An application that analyses software quality of a given repository over the different releases. Utilized a java library to interact with GitHub API and a Java Code parser library to parse java code to obtain quality metrics
- ❖ **ToolShare:** A Django based web application that allows members within the same zip code to share tools with members residing in the same zip code
- ❖ **SAM2017:** A Django based paper submission and review system web application. A paper submitted by an author is reviewed by 3 reviewers and these reviews are forwarded to another chairperson who assigns the final grade
- ❖ **Bunkwise:** A mobile application that helps students skip class in a coordinated and collaborated manner. The app allows students to send messages to other registered friends informing them about the plan and takes into account the attendance record of the student so that the student is well informed about the consequences. Google Cloud Messaging(GCM) services was used to send and receive messages, and app was developed using phonegap
- ❖ **Health Track:** A data (analytics) web application that helps in preventing disease outbreaks. The application has 3 types of users - Patient, Doctor and the admin. Developed using html, css, php and MySql
- ❖ Created a data warehouse that contains data from 3 of its subsidiary companies. This involved all the stages right from building a database for the individual companies to creating dimension models and then cleansing and loading the data in the warehouse.

Research

- ❖ **Cost estimation analysis of web applications :** Research paper aimed at providing statistical evidence to attach a dollar value to web applications developed by freelancers based on the freelancer developer demographics and the project details. Data is mined from freelancer website using crawlers and R programming is used to find the dependency.

Certifications and Activities

- ❖ Completed the "mongoDb for DBAs" and "R programming" online certificate course by mongoDb and Datacamp respectively
- ❖ Participated in 2 Hackathons - Ingenius, a 24 hour Hackathon conducted at PESIT BSC(2013 and 2014)