RANJITH MARASINGANA HALLY APPAJI

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OBJECTIVE:

To seek challenging assignments and responsibilities, with an opportunity for knowledge enhancement while serving the organization.

EDUCATION:

Master in Computer Science   Fall 2015
University of Texas at Arlington   **GPA- 3.93/4**
Courses: Analysis and Design of Algorithms, Database Management Systems, Cloud Computing, Web data & XML, Software Engineering, KDD in Healthcare, Secure Programming, Distributed Systems, Computer Networks.

Bachelor of Engineering in Electronics & Communication Engineering   Jun 2011
CMR Institute of Technology, (Affiliated to Visveswaraya Technological University, INDIA)   **GPA-3.50/4**

TECHNICAL SKILLS:

- **Languages:** Java, C, SQL.
- **Web Development:** PHP, JavaScript, AJAX, HTML5/CSS3, jQuery, Bootstrap3, WordPress, JSON and XML.
- **Cloud Computing:** Amazon Web Services (AWS).
- **Databases:** MySQL, SQLite, DynamoDB.
- **Mobile Development:** Android.
- **Version Control:** Git/GitHub.
- **Operating Systems:** Windows 8/10, Windows Server 2008 R2, Linux.
- **Tools:** Adobe Photoshop, Microsoft Office Suite, Microsoft Project Planner 2010.

EXPERIENCE:

Web Developer Intern, Culture Farm LLC, Dallas, Texas   Aug 2015-Dec 2015
Tools/Technology: WordPress, jQuery, Bootstrap3, HTML5/CSS3, PHP.
- Responsible for end to end Website Development (Plan, Build, Test, Host and Maintain).
- Successfully converted PSDs to a fully functional websites with intuitive UI and seamless backend integration.

Associate IT Consultant, ITC InfoTech India Limited, Bangalore, India   Sep 2011-Jun 2013
Project: Blackberry Support
Tools/Technology: Blackberry Administration Service and Monitoring Service console, Marval Ticketing Tool.
- As a Blackberry Administrator, worked on Blackberry Enterprise Servers in Lotus Domino and Microsoft Exchange environments to meet organizational and end-user needs.
- Troubleshot Mail flow, Address book and Calendar issues faced by Blackberry users.
- Managed server operations and Blackberry database in a high availability environment.
- Won Spot Award and Appreciation for proactively monitoring and raising the alarm, when the issue occurred, to contain the situation and take necessary steps for restoration.

PROJECTS: Fall 2013-Fall 2015
- **Get-2gether - WebMashup + Cloud Communication:** A Web application to search for restaurants (using Yelp API) & locate them on the map (Google Maps API). User can also make a call through the browser to make a reservation and notify his friends using Twilio Voice & SMS APIs.

- **Message Board Web Application:** Implementation of a Message Board using PHP, PDO Extension and a Relational Database SQLite where registered users can post messages and reply to the posted messages.
- **A Dropbox-like Storage System**: A Web application which allows users to upload, download and list their files similar to cloud storage service like Dropbox. It uses AWS S3 to store user's files in cloud and is deployed to AWS Elastic beanstalk.
- **Real Estate-WebMashup Project:** Developed a client side web application using Javascript & AJAX that combines Zillow API with Google maps API to locate a property on the map along with its estimated value with a marker using GeoCoding. Additionally, when clicked on a property in the map, the application will display the postal address and its estimate value using Reverse GeoCoding.
- **Assisted diagnosis healthcare information system:** A Healthcare web application that predicts possible diagnosis for each symptom & get additional information on each predicted diagnosis using Node.js, MySQL, Socket.io, HTML5/CSS3, jQuery & Bootstrap3.
- **Software as a Service with Dropbox API**: Implemented a SaaS application which encrypts and uploads files to dropbox, when dragged and dropped into a folder, and downloads and decrypts any file in the dropbox using AES algorithm and Watchdog Python API library.
- **Data Analytics using Amazon Web Services (RDS):** Loading data sets into an Amazon RDS MySQL DB instance and measuring performance by instrumenting the time taken to determine if the number of universities in a particular state is dependent on the Per Capita income of that state. And also measuring time taken to upload files to Amazon S3 using Python (Boto), AWS CLI, MySQL Workbench.
- **Hadoop Map Reduce:** Implemented a Java program to calculate the average monthly, seasonal and annual temperature in a particular region over a period of 25 years with varying number of mappers and reducers using Hadoop File System (HDFS), Map/Reduce Framework on a Linux VM.
- **Photo Album Application- Dropbox**: A web application which allows the users to upload and delete the photos to and from dropbox using Dropbox API & DropPHP library and also to provide a preview of the photos using javascript.
- **Data Analytics on the Cloud (DynamoDB)**: This application allows user to upload data sets to Amazon DynamoDB and perform clustering and visualization on the same.
- **Music Web Application**: A web application that retrieves information about music artists, their top albums, and their upcoming events using Last.fm web service REST API using plain JavaScript and AJAX.
- **FindMe-Android Application**: Find a building or a friend, in the University of Texas at Arlington, with the help of Accelerometer, Compass & GPS sensors embedded in the android phone.
- **Portfolio:** A personal portfolio website which demonstrates my technical skills and includes my work experience and projects.

TRAINING & CERTIFICATIONS:
- Certified for Excellent performance on Programming in C & Good performance on Java by National Institute of Information Technology (NIIT).

VOLUNTEER & LEADERSHIP EXPERIENCE:
- Active participation in Inter-collegiate technical events and have won second place in Gaming event Counter Strike at TechHoriz'08 fest.
- Served as a Class Representative in Engineering and also as Health Monitor in High School.