# Ramya D

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Experienced Software Development Engineer with 8 years of experience in full stack development for leading insurance clients based out of USA,Proven track record of leadership and self-motivation, able to drive projects forward and deliver high-quality results.Accomplished at leveraging past lessons to future decision making.

Re-entering the workforce after taking some time off to take care of kids while staying engaged with the technology industry through occasional Voluntary work and through online certifications.

## Skillset

CORE JAVA, WEB SERVICE, STRUTS 2X (FRAMEWORK), JAVASCRIPT, SPRING, JQUERY, HIBERNATE, PYTHON 3, GIT(VERSION CONTROL), PUPPET

## Work History

**Dec 2018 - Current**

### Caregiver

*Family*

**Jun 2010 - Nov 2018**

### Associate

*Cognizant Technology Solutions Ltd, Coimbatore and Chennai*

**RATE SETTING AND QUOTING APPLICATION OF A LEADING INSURANCE PROVIDER**

- Involved in design and implementation for the enhancement in web service for a new vendor to use the application.-
- Coordinated with various middleware teams to come up with the xml schema(Acord standard) to be used for the new vendor calls.
- Involved in the impact analysis of the line of business separation and came up with the design which was accepted and approved by various business stakeholders.
- Guided the team members to understand the application enhancement requirements and to come up with the
  implementation as per the design; reviewed and traced the requirements for its implementation.

**SOFTWARE SECURITY ANALYSIS AND ENHANCEMENT**

- To come up with the solutions to fix the various flaws and to coordinate with Veracode and client application coordinator for the approval to implement the fix.
- Worked with various teams (Network and Webserver experts) to come up with solutions for ethical hacking related flaws and implemented the changes successfully for all the 8 applications within 6 months duration.

**Jun 2010 - Jun 2014**

### Programmer Analyst

*Cognizant Technology Solutions Ltd, Chennai and Coimbatore*

**CONTINUOUS SERVICE IMPROVEMENT – PM TOOLS AND MANUAL TASK AUTOMATIONS**

- Involved in collecting the limitations for using the Production update tool and came up with the solution fixes. Implemented the changes and contributed for the raise in the tool usage from 35% to 70% with no post production defects.

- Worked on the development of automated query pattern recognition report and tool usage compliance
  calculation automation which helped to remove the manual work involved in preparing these reports.
- Owned the code development, approvals / sign-off, coordination with the plan for deployment and post implementation support tasks for this track.
- Involved in process understanding, feasibility analysis and approach documentation and in getting the stakeholder approvals for the implementation of an automated solution for few tasks in Manual event automation track.

**ONLINE MEETING AND EVENT MANAGEMENT APPLICATION**

- Involved in design and implementation for the enhancement in web services for various screen level changes for including a new field meeting status.
- Came up with implementation in short duration for a portlet based project of complex project structure which integrate 3 different modules.
- Recognized with star award for implementing the enhancement successfully.

## Certifications

**Nov 2020**     Google IT Automation with Python by Google on COURSERA

**May 2011**     Oracle Certified Java Professional (OCJP) for Java 6

## Volunteer Experience

Completed 3 volunteering AI4Good projects(span - almost 3 months) in **Omdena** - an organization that collaboratively build ML solutions to real-world problems. Achieved realtime project hands-on experience in data collection and data handling using **Python**.

- **Project1** - Collaborated with 40+ change makers and came up with a ML solution which won "Financial Crime Data Challenge" conducted by United Nations office of Information and Communications Technology and UNOCT.Involved in Data pre-processing and knowledge graph(using Neo4j) tasks to develop a Streamlit app for the data from Graph database and participated in the role of ML Engineer.
- **Project 2** - Worked on Image pre-processing task and feature engineering to retrieve texture based features and came up with an analysis on its accuracy using classical machine learning algorithm.
- **Project 3** - Detecting Hate Speech in Tamil Language using Natural Language Processing. Contributed in data annotation tasks and Got promoted during the project to the role of Lead ML engineer,since I lead a task - behavioral testing of NLP models which helped team by indicating on how to proceed for future training and what kind of samples to annotate to improve the ML model performance.

Volunteered in various Cognizant CSR activities, as an act of giving back to the society, conducted high school education (12th computer science) aid.

## Education

**Aug 2006 -**     **BE: EEE**

**May 2010**     *Coimbatore Institute of Technology - Coimbatore India*