#### Sai Komaravolu – 13 Years Exp; Javascript, ReactJS Developer, Certified Scrum Master, Certified Niagara Developer and Data Scientist.

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**Experience Summary**

I have a total experience of 13 years as a Full Stack Developer, specialized in Javascript, RequireJS, ReactJS & Redux, UnderscoreJS, PromiseJS, Niagara Framework, D3 & C3 JS, OO Javascript, Jasmine, Spring Boot, REST support for Android, Java, Junit, a Certified Scrum Master by ScrumAlliance and a diploma in Data Science and Business Anlaytics.

1. Honeywell Technology Solutions Lab: May 2015 – Till Date
2. GE Healthcare: November 2012 – May 2015
3. ModelN India: February 2012 – October 2012
4. GE Healthcare: January 2011 – February 2012
5. Tata Consultancy Services: February 2008 - January 2011

**Certifications**

1. Certified Scrum Master by ScrumAlliance.
2. Tridium Niagara TCP Certified.

**Projects**

The details of the various assignments that I have handled are listed below in chronological order.

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| Organization | Honeywell Technology Solutions Lab |
| Role | Sr Advanced Software Engineer, Technical Product Owner & Scrum Master |
| Duration | May 2015 – Till date |
| SDLC | Agile |
| Assignment#1 | * Niagara Analytics Framework: This framework will be deployed on a low foot print device JACE, which manages several devices to inter communicate as part of IOT. I have designed and developed the Niagara Analytics Framework. Using the underlying Niagara data types we generate the analytic trend by aggregation, rollup and sampling on the data points. Analytics play a major role in the real time when alerts and alarms will be generated on the real nodes like VAV and chiller units to name some.   + - UX Chart and Report Framework: Designed and developed derivative analytics Charts and Reports for customers with Energy and Monitoring requirements.       * Technologies: BajaScript, Javasript, ReactJS & Redux, PromiseJS, Underscore JS & Jasmine       * Role: Team Lead, Scrum Master, Architect & Independent Contributor.     - Predictive Analytics: Responsible for the design and development of the product. It will use Simple Regression and Covariate Regression to predict the linear and multi linear data.     - Outlier Handling: Responsible for the design and development of the product. Used range, status and max-min outlier identification in the analytic trend.     - Missing Data Analysis: Responsible for the design and development of the product. Used KNN, Linear regression techniques to identify missing data.     - Off Site Analytics: Export the site data to an offsite and perform high performance analytics     - Technologies used: Above projects use Javascript, D3 & C3 js, ReactJS & Redux, Promise Js, Jasmine for unit testing and Java. * API support for Mobalytics Android App:Updated Niagara Analytics with REST api to support the analytics data fetch and processing for the Mobalytics Android application. * Applet Free UI for Access Control: Currently I am working on making the Security Appliance’s video and monitoring appliance’s solution to HTML5. |
| Assignment#2 | * Niagara Enterprise Security and Access Control: I do the design and development of Niagara Enterprise Security framework. This is deployed over low foot print devices called JACE, which controls all access systems like card readers, intrusion zones and security devices like all IP supported cameras etc… These devices can be managed and all actions that are required to perform on an Access-Security system can be done.   + - HTML5 solution for Video Streaming: I am responsible for the design, development of the product. Live video stream from Axis and Milestone cameras will be streamed in live or playback using Javascript, ReactJS & Redux and Jasmine framework. |
| Solution Environment | Core Java, JUnit, JQuery, Javascript, RequireJs, UnderscoreJs, Bluebird-PromiseJs, IOT, Niagara Framework, D3 Js & a Certified Scrum Master by ScrumAlliance |

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| Organization | GE Healthcare |
| Role | Senior Design Engineer |
| Duration | November 2012 – May 2015 |
| SDLC | Agile |
| Assignment#1 | Enabling security for services, deployed over Karaf (November 2013 – Till date): I have participated in the design and development of Security-Layer that enables the SAML token issue, validation and renewal process between an OSGI service and an HTML5 user interface deployed over Play Server. |
| Assignment#2 | Collaboration in Radiology-Information-Systems (RIS) (01st June 2013 – November 2013): I was responsible to design and develop the JavaScript piece of this assignment. In brief, GE is in market with RIS systems, for next generation imaging we have decided to Collaborate the radiologists that sit at different places. Technology that we chose for Collaboration is XMPP using Strophe. I was involved in the development of UI components in the current RIS system and inter-operate ADF components with XMPP callbacks. We used Openfire as the XMPP server. Our JavaScript code has several abilities like add users; remove users, search users, instant presence of other users, self-presence, manage-subscriptions etc… |
| Assignment#3 | Screen-Share between RIS systems (01st Feb 2013 – 01st June 2013): Content of this assignment is to establish screen share ability between two different RIS systems. RIS system in discussion is the GE’s ZFP viewer. Using this viewer a radiologist has ability to view images with diagnostic quality and report out the findings. I was responsible to design and develop the JavaScript that captures the radiology annotations, series, image, movements on ZFP and serialize to a java server via Websocket and renders it on another ZFP connected to the Websocket server. I am involved in development of the server piece that establishes the Websocket connection and manages the ZFP screen share sessions. Screen sharing is one to many and any number of users can join the existing session with a valid session id. |
| Assignment#4 | Instant messaging and presence (15th Dec 2012 – 01st Feb 2013): I was responsible to design and develop JavaScript code to establish Instant-Messaging and Presence services over Cisco Unified Presence Server using jabberwerx.js and GE’s very own DSP platform’s server using Strophe.js. The developed JavaScript has ability to establish chat sessions, add users, remove users, manage subscriptions etc… |
| Assignment#5 | Instant messaging and presence (06th Nov 2012 – 15th Dec 2012): I was part of Shared-Assets-Services team which develops re-usable products for the teams in GE Healthcare. I was only part of Knowledge Transfer sessions and then got an opportunity to move for Next Generation Imaging. |
| Solution Environment | Core Java, JavaScript (JQuery and Strophe), XMPP, Openfire and ADF-UI, OSGI, SAML, Karaf and Play Framework |

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| Organization | ModelN India (Product Support – Abbott ADD) |
| Role | Product Support Engineer |
| Duration | February 2012 – November 2012 |
| Description | I am responsible to provide technical and functional support to the customers using ModelN product. Currently I handle Abbott-ADD and actively participate in resolving their issues. On a daily basis I engage with customer through mail/call to discuss the issue complexity and resolution. |

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| Organization | GE Healthcare – Centricity Advance |
| Role | Design Engineer |
| Duration | January 2011 – February 2012 |
| Assignment#1 | HIPAA 5010 (01st August 2011 – 3rd February 2012): I was responsible to provide HIPAA 5010 transactional support from POMS (Physician Office Management System) application. I have actively participated in the analysis and design part of the total enhancement. |
| Assignment#2 | PM04 (01st May 2011 – 01st August 2011): I was responsible to enhance the POMS application with the features of PM04 product. I have involved in the design, development and testing cycles of the Case Management module of this enhancement. |
| Assignment#3 | Interfaces (24th Jan 2011 – 01st May 2011): I was responsible to develop an interface that will enable the use of a patient’s Medical Data across the globe. I have developed a central interface that pulls the required data from POMS application and loads it to a specific configured location. By doing that, data at one location can be easily set up at any other configured locations and physicians will have ease of access. |
| Solution Environment | Java, EJB, Servlets and MSSQL Developer |

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| Organization | Tata Consultancy Services |
| Role | Assistant Systems Engineer |
| Duration | February 2008 - January 2011 |
| Assignments with Ericsson | XSA (May 2010 – 21st Jan 2011): XSA is a plugin and it will work on NMS and EMS technologies. In detail, this plugin will sit below the EMS and communicates with SNMP NE’s. Communication includes the implementation of FCAPS on the NE’s. Hence it provides generic support for all SNMP NE’s under Ericsson network.  AXX-VXX (May 2010 – 21st Jan 2011): This plugin will sit below the EMS and communicates with NE’s that work with XML-RPC. Communication includes the implementation of FCAPS on the NE’s.  Reliance Tools (Feb 2010 – May 2010): Ericsson as a vendor serves different organizations, Reliance is one of them. We provide tools to Reliance team as a support for Ericsson network elements. |
| Assignments with Colruyt | One Interface (November 2009 – Feb 2010): This is a project to change the existing system to a different approach and that involves in creation/search of software bundles and updating the database. It also involves in uniting the seven ADMI applications to a single level interface. I was part of design, development and testing phases for this project.  Delete Cycle (September 2009 - November 2009): This is a project initiated to clean up all the un necessary data in the current ADMI system. It consists of 13 cycles with 29 batch jobs. Each job is interdependent and efficient on the database utilization and performance. I was part of design, development and testing phases for this project.  DB2 Migration (April 2009 – August 2009): This is a migration project to change the database from Oracle to DB2. Having that, we should adapt existing system for DB2 database. I was part of design, development and testing phases for this project.  Swarelation (November 2008 – March 2009): This application is a web tool used by Colruyt engineers to perform impact and dependency analysis for software components. It will display the relations between different software versions that are deployed in Colruyt environment. I was part of design, development and testing phases for this project.  ADMIOS support (February 2008 – October 2008): I was responsible to handle the issues and enhancements with in the ADMI system. |
| Solution Environment | Java, Servlets, JSP, IBM Web sphere, Oracle, DB2, Ant scripts and PCLI scripts. |