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| JAGADEESH Palaniappan  *senior software engineer, ge -digital*  *Full-Stack Developer | UI Developer | Node.js developer | Java Developer* | [linkedin.com/in/jagadeeshtechgeek](https://www.linkedin.com/in/jagadeeshtechgeek/) |
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|  | San Ramon, CA |

## Professional Summary:

* Over 6.5 years of experience in Software Development and participated in the end-to-end phase of the development projects.
* Starting from designing, developing (Front-End and Back-End) application, building and deploying them on Cloud with CI/CD.
* Worked extensively in developing Web Application -with Full Stack (Node.js, Angular) Application, MEAN Stack Application (MongoDB, Express, Angular.js Node.js), and Full Stack (Java, Spring, Angular) Application.
* Well recognized professional accomplishments and a versatile team player with excellent presentation and interpersonal skills with continuous Letter of Appreciations and Awards achiever in all technical engagements.
* **Awards:** #LearnAndAdaptToWin #CustomerDetermineOurSucess #MissionInnovation2015 #HackathonWinner, #PatOnBackAward, #STAR-PerformerAward

## Primary Skillset: (Professional Experience)

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| *Front-End (UI) Development Skills:*  * **Angular** (5x), **Angular.js** (1x), Single Page Application, **TypeScript**, ES6, Rx.js, Reactive Programming, Polymer, Web Components, Predix UI Components, **Bootstrap**, Responsive Web Design, jQuery, AJAX, HTML5, CSS3, JavaScript, SASS, Lodash |
| *Back-End (JavaScript) Development Skills:*  * Node.js, Express, Bluebird (Promise), MEAN Stack (MongoDB, Express, Node.js), Micro Apps, App Hub, NoSQL, Mongoose, NPM, Bower, Grunt, Reddis  *Back-End (Java) Development Skills:*  * **Java**, J2EE, **Spring MVC**, Spring (Annotation & XML based) (IOC,JDBC,REST), **JSP**, Servlets, Object Oriented Programming   Exposing **RESTful** API endpoints, SOAP Webservices, JAX-WS, JPA, Hibernate, **SQL**, Oracle, MySQL, Quartz Scheduler |
| *Cloud Technologies:*  * Cloud Foundry (Predix), AWS (EC2, RDS, S3), Heroku, OpenShift, IBM-Bluemix, Mongo Lab |
| *Tools:*   * Jenkins, DevOps, Jenkins, CI / CD (Continuous Integration / Continuous Delivery), uDeploy, Git, SVN, CVS, HP Kintana, IntelliJ, STS (Spring Tools Suite), Eclipse, Mongo Management Studio, MongoChef, TOAD |

## Secondary Skillset: (Personal Experience)

##### *Hybrid Mobile App Technologies:*

* Mobile App development –using Web Technologies, Apache Cordova (PhoneGap), Ionic Framework , Angular

##### *Big Data Technologies:*

* Hadoop, HDFS, MapReduce, Pig, Hive and Sqoop

## Experience

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| GE - Digital | Senior Software Engineer | Dec 2016 – Till Date |
| Cisco Systems Inc.(Tech Mahindra Payroll) | Senior Software Engineer | August 2011- Dec 2016 |

## Education

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| Master’s Degree | MS (Software Engineering) | BITS Pilani University |
| Bachelor’s Degree | B. Tech (Information Technology) | SASTRA University |

## Projects:

**1# APM - Analysis** ( UI App: Node.js -Web Application ) (Back-End API’s: Java-Spring –Micro Services App)

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| Client : | GE Digital |
| Technologies : | *Front-End:*  - **Angular** (5x) [migrated from Angular.js (1x)], **Polymer**, Web Components, Predix-UI Components, Single Page Application, **TypeScript**, ES6, **Rx.js**, Reactive Programming, Responsive Web Design, AJAX, HTML5, CSS3, JavaScript, SASS, Lodash  *Back-End:*  - **Node.js**, Express, Spring Boot App (Micro Services), Cloud Foundry (Predix), REST API  *Tools:*  - Git, NPM, Bower, Maven, Jenkins, CI/CD, IntelliJ |
| Description : | Predix APM (Asset Performance Management) is a GE's flagship software product. It is designed to help optimize the performance of Industrial assets. Analysis -is the core Micro App in Predix APM, it helps users to analyse and visualize sensor data. APM - is a cloud based (SaaS) Web application with AppHub and Micro Apps Architecture. App is designed to support Multi-Tenants Architecture.  Analysis is the SPA (Single Page Application). It interacts with various Micro Services to get view templates, assets, tags and sensor data. |
| Responsibilities : | * Responsible for developing modules with end-to-end development (Client-Side & Server-Side)   *Front-End Development:*   * Designed & Developed Angular and Polymer Component based Web Application * Developed SPA (Single Page Application) navigations -using Angular Routes * Developed Angular (TypeScript / ES6) code to create UI Components * Involved in Framework migration from Angular.js (1x) to Angular (5x) Framework * Developed modular based application using angular @NgModule * Developed Custom Components using angular @Component * Developed angular @Injectable Services (model services, http services) * Developed HTTP (AJAX) request modules with Observables * Developed Reactive Forms using Rx.js Observables * Developed Custom Directives using angular @Directive * Developed Custom Pipes using angular @Pipe * Designed & Developed many custom HTML5 native Web Components using Polymer * Developed in-built Polymer components, Iron Components, Iron AJAX. * Integrated Polymer based Predix UI Native Web Components and Charts. * Designed & Developed Responsive UI pages with HTML5, CSS3 Predix CSS modules (inuit.css)   *Back-End Development:*   * Developed Node.js code to create Express Server App and attach middleware to it. * Developed Node.js code to create new (REST -APIs) endpoints URLs –using Express Router * Developed Node.js code to interact with Predix APM Time Series services. * Developed Java-Spring Boot - Micro App in Cloud Foundry to interact with Predix View API services. |

**2# Talent Marketplace** ( MEAN Stack -Web Application )

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| Client : | Cisco Systems Inc. |
| Technologies : | MEAN Stack (**MongoDB**, Express, **Angular.js**, **Node.js**), Mongoose, Bluebird (Promises), Body-Parser, Passport, Helmet, loadash, npm, bower, grunt, Bootstrap, HTML, CSS, JavaScript, MongoDB, |
| Description : | Talent Marketplace - is a Web based application -which connects Talents and Business in a whole new way. It is a one stop shop for all talents and enrichment programs including SAMI (Stretch Assignments), LPP (Leadership Profile), Time Swap and Job Swap opportunities. This Application has a unique opportunity in creating the next Cisco. |
| Responsibilities : | * Responsible for developing modules with end-to-end development (Client-Side & Server-Side)   *Back-End Development:*   * Developed Node.js code to create Express Server App `and attach middleware to it. * Developed Node.js code to create new (REST -APIs) endpoints URLs –using Express Router * Developed Node.js Controllers, Mongoose Schema and Models. * Developed Node.js code to interact with database to get, store and modify the records –using Mongoose   *Front-End Development:*   * Designed & Developed Responsive UI pages with Bootstrap, HTML5 and CSS3. * Developed SPA (Single Page Application) navigations -using AngularJS Routes with (ui-router) * Developed UI components with AngularJS custom directives -element, attribute and class approaches. * Developed AngularJS Controllers, Services, Interacting with Server-Side (API endpoint URLs) * Developed UI modules with modular & component based approach. |

**3# MIDAS** ( Java-Spring -Web Application )

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| Client : | Cisco Systems Inc. |
| Technologies : | **Java**, J2EE, **Spring MVC**, Spring Framework (Annotation based), **JSP**, WebServices, **RESTful**, SOAP, **SQL**, Oracle, JPA, Hibernate , Maven, **Bootstrap**, HTML5, CSS3, **Angular.js**, javaScript |
| Description : | MIDAS (Master Integrated Data and Services) is a Web based application for Cisco Capital’s Leasing and Financing business, acts as SSOT for Customers and Items for Cisco Capital business, Midas interacts with various transactional systems in Cisco such as TCA, Item Hub, SFDC, E-LESE, Vertex, XOS systems and Partner Interface (PI). |
| Responsibilities : | * Responsible for developing modules with end-to-end development (Client-Side & Server-Side)   *Back-End Development:*   * Developed MVC –based Java-Spring Web application with both XML and Annotations approach. * Developed Controllers, exposed RESTFul API endpoints with Spring RestController * Developed Service layers to intereact with Database & RESTFul & SOAP Webservices * Designed and Developed Model or Entity or VO classes * Developed code to send, receive and manage REST -JSON data. * Developed DAO layers to interact with database to get, store and modify the records –using Spring JDBC templates   *Front-End Development:*   * Designed & Developed Responsive UI pages with Bootstrap, HTML5 and CSS3. * Developed SPA (Single Page Application) navigations -using AngularJS Routes with (ui-router) * Developed AngularJS Services to interacting with Server-Side (REST API endpoints) * Developed AngularJS Controllers and View templates. * Developed UI components with AngularJS custom directives -element, attribute and class approaches. * Developed UI modules with modular & component based approach. |

**4# Capital Integration** ( Java-Spring -Web Application )

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| Client : | Cisco Systems Inc. |
| Technologies : | **Java**, J2EE, **Spring MVC**, Spring Framework (XML based), Spring(IOC,JDBC), **JSP**, WebServices, SOAP, Servlets, **SQL**, Oracle, HTML5, CSS3, **jQuery**, JavaScript |
| Description : | Capital Integration is a Web based program for Cisco Capital business, acts as Integration for Capital Customers for Cisco Customers, Integration system interacts with various transactional systems in Cisco such as MIDAS, TCA and SFDC systems. |
| Responsibilities : | * Responsible for developing modules with end-to-end development (Client-Side & Server-Side)   *Back-End Development:*   * Developed MVC –based Java-Spring Web application with both XML and Annotations approach. * Developed Controllers, Service layers and business logics Created VO classes * Developed JSP code for handling dynamic views * Developed DAO layers to interact with database to get, store and modify the records –using Spring JDBC templates   *Front-End Development:*   * Designed & Developed UI pages with HTML5 and CSS3. * Building SPA (Single Page Application) with jQuery and AJAX. * Used jQuery and AJAX for getting the dynamic HTML content from Server-Side to populate the UI content dynamically. |

## Achievements:

* Turned innovative ideas into Reality (Voice & Gesture interaction for Web Application)

* + <https://www.linkedin.com/pulse/my-innovation-effort-ge-jagadeesh-palaniappan>
* Learn And Adapt To Win –Award (from: GE Director)
  + *“Dear Jagadeesh, Thanks for taking the time after work to quickly learn about the Amazon Alexa/Echo APIs and doing a quick integration with APM Analysis. You learnt these API's rapidly and produced outstanding results that will go a long way in showcasing the future potential for APM to the management. Regards Shiv”*
* Customer Determine Our Success -Award (from: GE Director)
  + *“Dear Jagadeesh, Due to the high demand by the customers for the Compare Charts Side-by-Side feature, you took on the challenge to pull in this feature from Q2 into the Q1 release. You were at the forefront of that with high energy and passion to deliver the best customer experience for this complex feature. Despite many roadblocks that could have resulted in the feature dropping back into Q2, you persevered through all of them coming up with creative solutions that resulted in the successful release of the feature in Q1 with great customer experience. Keep up the passion and enthusiasm. Regards Shiv”*
* Customer Determine Our Success -Award (from: GE Director)
  + Obtained Customer Determine Our Success award to quickly troubleshoot and fix the customer issues
* Hackathon Winner (First Prize)
  + Obtained First Prize in Tech Mahindra’s Mission Innovation 2015 – Hackathon event.
* Pat On Back - Award
  + Obtained POB (Pat on Back) -Award for delivering the project with utmost perfection with zero bugs and has been praised by the client.
* STAR Performer –Award
  + Obtained Start Performer (S- Rating) during Aspire process of Tech Mahindra.
* Customer Appreciations
  + Highly appreciated from customer to been an initiative to contribute Hadoop eco system into Cisco COE (Center Of Excellence) Solution Lab in Tech Mahindra.
* Knowledge Sharing - Award
  + My knowledge sharing interest made to conduct high level external Workshops on upcoming technologies includes SMAC, Big Data (Hadoop) and Mobile App Technologies.
  + Published many webinars on latest technologies to the internal organization.
* Well recognized professional accomplishments and a versatile team player with excellent presentation and inter-personal skills with continuous Letter of Appreciations and Awards achiever in all technical engagements.

## Personal Details:

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