JAGADEESH PALANIAPPAN

SENIOR SOFTWARE ENGINEER, GE -DIGITAL

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FULL-STACK DEVELOPER | UI DEVELOPER | NODE.JS DEVELOPER | JAVA DEVELOPER

Professional Summary:

➢ Over 8 years of experience and worked extensively in the full-stack 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 (Angular, Web Components, Node.js) Application, MEAN Stack Application (MongoDB, Express, Angular.js Node.js), and Full Stack (Java, Spring, Angular) Application.

➢ **Awards:** #LearnAndAdaptToWin #CustomerDetermineOurSucess #MissionInnovation2015 #HackathonWinner, #PatOnBackAward, #STAR-PerformerAward

Technical Skills:

Primary Skills:

Front-End (UI) Development Skills:

➢ **Angular.js**, Polymer, **Web Components**, **React**, Redux, Single Page Application, ES6, TypeScript, Predix UI Components, Bootstrap, Responsive Web Design, jQuery, AJAX, HTML5, CSS3, JavaScript, SASS, Lodash

Back-End (Node.js) Development Skills:

➢ **Node.js**, Express.js, Bluebird (Promise), **MEAN Stack** (MongoDB, Express, Node.js), Passportjs, Helmetjs, Requestjs, Mongoose, Building and Consuming a RESTful API endpoints.

Back-End (Java) Development Skills:

➢ **Java**, J2EE, Spring MVC, Spring Boot, **JSP**, Servlets, OOPS, Building and Consuming a RESTful API and SOAP API endpoints, Webservices, JAX-WS, JPA, Quartz Scheduler

Mobile App Technologies:

➢ Hybrid Mobile App development –using Web Technologies, Apache Cordova (PhoneGap), Ionic Framework, React Native

Tools & Technologies:

➢ Cloud: Cloud Foundry (Predix), AWS (EC2, RDS, S3), Heroku, OpenShift, IBM-Bluemix, Mongo Lab

➢ Database: NoSQL, MongoDB, Redis, SQL, Oracle, MySQL

➢ Testing: Karma, Chai, Sinon, Istanbul, Protractor, Cucumber, Karate

➢ Build Tools: NPM, Bower, Gulp, Grunt, WebPack, DevOps, Jenkins, CI / CD, uDeploy, HP Kintana

➢ Version Control System: Git, SVN, CVS

➢ Documentation: Markdown, Swagger

Leadership Skills:

➢ *Scrum Master:* Keeping all team members on track and clearing their blockers and other dependencies, Actively monitoring the userstories, defects and clearing the backlogs. Organizing the sprint planning with team members and product owners and ensuring the team's deleiverables. Constantly receiving feedbacks from team members during Sprint retrospective and work towards improvement.

➢ *Team Leader:* Lead a team of 4 junior developers, Collabrating with overseas team members, Clear Communicator, Delegating tasks to the right team members, Proactively taking initiatives towards improvement, Documenting the application design and common issues, Constantly motivating the team members and other co-workers.

➢ *GE – Buddy*: Played "buddy" role in GE and mentored interns (college graduates).

Work Experience

GE – Digital	Senior Software Engineer	Dec 2016 - Till Date
Cisco Systems	Senior Software Engineer	Nov 2015 - Dec 2016
Tech Mahindra	Senior Software Engineer	Aug 2011 - Nov 2015

Education

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

Projects: ↓ (most recent)

1# APM - Analysis (IoT -SaaS Application)

Company	:	GE Digital
Technologies	:	*Front-End:* - **Angular.js**, Polymer, **Web Components**, Predix-UI Components, Single Page Application, **ES6**, Responsive Web Design, AJAX, HTML5, CSS3, JavaScript, SASS, Lodash, Moment *Back-End:* - Node.js, Express, REST API, Cloud Foundry (Predix), Redis, Helmet, Moment, Request.js *Tools:* - Git, NPM, Bower, Jenkins, CI/CD, IntelliJ
Description	:	Predix APM (Asset Performance Management) is a GE Digital'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 (Micro Application) inside AppHub. 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:* • Developed highly scalable (Unidirectional Data Flow) front-end application using Angular.js and Polymer • Developed resusable Web Components using Polymer and Predix UI Components • Created Routes, Controllers, Services and Views in Angular.js • Developed SPA (Single Page Application) navigations -using Angular UI Routes • Integrated Polymer based Predix UI Web Components and Charts. • Designed & Developed Responsive UI pages with HTML5, CSS3, Predix CSS modules *Back-End Development:* • Developed highly scalable microservice application using Node.js and Express • Created RESTful API endpoints and consumed various other microservices REST APIs • Developed server side caching layer to return the response quickly

2# Talent Marketplace (MEAN Stack -Web Application)

Company	:	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 highly scalable microservice application using Node.js and Express • Created RESTful API endpoints and consumed various other microservices REST APIs • 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 • Developed server side caching layer to return the response quickly *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)

Company	:	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.

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)
    - *Obtained this award for quickly learnt the Amazon Alexa/Echo APIs and integrated with APM Analysis app within a weekend*
- Customer Determine Our Success -Award (from: GE Director)
    - *Obtained this award for quickly delivery of Q2 backlogged key customer requirements in Q1 itself.*
- Customer Determine Our Success -Award (from: GE Director)
    - *Obtained this award for 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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