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SUMMARY 6 years of IT experience in software engineering.
Experienced in React JS, Redux, React native, Google Polymer, JQuery, UI application performance improvement.
MS in Computer Science. Oracle certified Java Professional (Java 1.6).
Strong knowledge in single page applications and mobile app using HTML5 Hybrid technology and web-views
Experienced in Cloud based services: Amazon Web Services (AWS) and Open stack systems
Experience developing micro services using Golang, NodeJS, Dynamo DB, Kafka, Splunk, J2EE 1.6 Oracle DB
Well experienced in collaboration with product management, UX designers and testing team in Agile.

TECH. STACK *Frontend:* React, Redux, React-Native, Google-Polymer 1.9, JQuery, SASS, ES5, JSX, Vanilla JS, JS-MVC
Backend: Node JS (Express JS), Golang, J2EE, Java
Unit testing: Web component tester, Chai assert, Mocha, sauce labs, Enzyme, JUnit
Build & Deploy: GULP, Ant Script, Maven 3.0.3, and UNIX Shell Script, Minification, inline-css, manifest files, web-server-side caching, RPM artifactory
UI tools: BOWER, NPM, Fiddler, Charles Proxy, Postman REST, Genimotion, Xcode/iOS simulator, Electron, react-extension, redux-extension, WebGL
Servers: Nginx, Apache web server, Web logic10.3.2 / 10.3.5, Tomcat 7.x
Web Technologies: HTML5, CSS 3, Web 2.0, OAuth, SSO and Responsive/adaptive design, Accessibility (ARIA)
IDE & Editor: Eclipse, Sublime Text, Notepad ++, vi, Atom
Application tools: CA Identity Manager R12.5, CA Siteminder12.52 and google search appliance
AWS: CloudFront, Route 53, ELB, S3 buckets, CloudFormation, EC2 with CentOS, Dynamo DB
Development Methodologies: Agile, Waterfall, TDD
Configuration Management: Enterprise Github, Subversion/tortoise, SurroundSVN
Operating Systems: Windows XP/7, RedHat Linux, CentOS, Mac OS x.
Tools: JIRA, Confluence, Trello, plan-it-poker, GIT, Jenkins, Travis CI, Team Forge.
Spring: Version 3.x, Security by certificate based auth. Hibernate ORM, Spring MVC
Databases: Dynamo DB, Oracle 10g, MS SQL SERVER 2005/2008, MySQL, JDBC

EXPERIENCE **COMCAST, SUNNYVALE, CA, USA (CLIENT)** **JAN-16 TILL NOW**
SR. SOFTWARE ENGINEER/CONSULTANT, XFINITY HOME
Architected, designed and developed a Front-End application bringing the power of automation to all connected devices including home security system, TV and Internet of Things(IoT) /smart devices for Xfinity Home customers. Developed with **Google Polymer** JavaScript library 1.9 & **Material Design**. Developed another web application in **ReactJS** and **Redux** producing templates also known as pre-defined automation recipes. Web applications developed for browsers, mobile-web and integrated inside Xfinity Home mobile app as web view. Deployed JavaScript application in AWS, ready to be rendered via **CloudFront CDN & S3**. Used **nodejs** with **Express server** for development purpose. Refactored the UI application for high performance, extendibility, and enhanced single responsibility, separation of concern for maintainability. Lazy loaded the unwanted web-components using **GULP** tasks, bundled **SVGs** and compressed PNGs for icon-set and reduced initial load time by 69%. Utilizing JavaScript templating language for interaction with backend APIs. UI application are **accessible**. Contributed in developing backend APIs written in **Golang** interacting with **DynamoDB**. APIs deployed in **AWS** cloud environment. Developed in Agile methodology and used various Atlassian tools
Participated in company hackathons and added voice command in customer-portal for easy creation of automation rules. Used **api.ai** (dialogflow) for the above hack. Integrated community chat feature between Xfinity Home security users to discuss and share about the various home-automation-rules and scenes they create
Responsibilities: Lead a team of UI developers. Designing UI-API schemas. API development. Daily standup meetings, contributing to sprint planning meetings and story pointing meetings. Interaction with UX team, product management and native mobile application developers for discussions and design of native-app to web-view bridge methods as a part of mobile-hybrid strategy. Deployed application into AWS with Jenkins and GitHub hooks. Developed and maintain Jenkins jobs that interact with SauceLab, RPM artifactory, Enterprise Github hooks. Giving input for the client for making the application compliant with the enterprise authentication procedures. Monitor splunk dashboard for various application and act on any discrepancies during on-call support. Manage and maintain nginx configurations for web server and proxy upstream traffic. Used enterprise GitHub for versioning.
Environment: JavaScript, Google Polymer, ReactJS, Redux, REST, node.js, Charles proxy, Authentication-web tokens, Sublime Text, Atom, ESLint, AWS, GIT, RAML, JSON, Nginx, Polymer-Vulcanize, SASS, Gulp

FEDEX SERVICES, COLLIERVILLE TN**JAN-13 TO OCT-14****PROGRAMMER ANALYST - FULL STACK DEVELOPMENT**

USER-cal: Extended and exposed new actions in **RESTful/JSON based java web-services application** (API). Developed the RESTful architecture using JSON with Jersey /Jackson framework. Upstream interaction with an EJB application, SOAP-based web-services distributed in SOA accessed via ESB. Developed an AJAX-heavy GUI application that can let the FedEx.com customers edit, view and update user-profile and their account information with. Designed as **JQuery** plugins for easy integration for other UI applications. Achieved "0-defect" on this global application which serves 27 languages. Created configuration files to implement SSL on port 8443 for a particular directory path for Identity manager application in apache web server. Assigned and managed security certificates for six testing levels and production servers as part of Spring Security Authentication using certificates. For clients (GUI) front ends developed a JSON(P)/REST-based authentication by extending the existing authentication scheme.

OADR: Developed an EJB based application for registering account numbers and partner discounts to customer profiles. Application utilized Oracle 10g DB, JDBC and corn job. Added more partner discount codes based on the marketing campaign.

Responsibilities: Extensively involved in preparing low level and high-level design documents using Sequence Diagrams. Lead the team in delegating tasks to the developers. Conducted daily offshore conference calls. Participation in weekly project status meetings organized by project manager. Defect fixes and defect status tracking. Developed as Ant-based cloud instance launching tool. Developed web application using Eclipse as the IDE, J2EE, Web logic as the server and JQuery. Design, development, and support in implementing common-login function in applications that needed to be protected. Contribution to the architecture council about the customer login-functionality in **service-oriented architecture** (SOA). Developed JQuery modules. And published for sibling application's usage. Used SVN for versioning.

FEDEX SERVICES, COLLIERVILLE TN**APR-12 TO JAN-13****ASSOCIATE PROGRAMMER ANALYST - FULL STACK DEVELOPMENT**

Migrated and maintained JavaScript front-end application rendering search results for the user from the indexed fedex.com pages. The enhancement project utilized the tool 'Google search appliance' more. Along with the search results, suggest-as-you-type feature is also implemented. Successful completion of this project gave the users a great search experience in all 27 supported languages. The application was migrated from Classic Servlet JSP model into REST-AJAX-JS model using **J2EE RESTful web-service fronted by JQuery UI**. Proposed and developed a new architecture for the application, coordinated with the Systems Administration & Consulting (SAC) team and modified the application to accommodate an architectural change. This new architecture helps in satisfying frequent e-Commerce requirement by giving more accessibility for Google Search Appliance to the developers. Thus, change request(CR) delivery time is reduced by 96%.

Environment: J2EE, RESTful, Jersey /Jackson framework, JQuery JS, JSON, CA Identity Manager R12.5, CA Siteminder12.52, REST, SOAP-web service consumption, Web logic, SVN, HTML5, CSS3, JavaScript, Web 2.0, Eclipse, AltovaXMLspy, Fiddler, Log4J, PMD, EMMA, HP Quality Center, SubEclipse, Junit, SoapUI, RedHat Linux, mRemote, autonomy teamsite and Spring framework, Google search appliance, Adobe-siteCatlyst, Akamai caching

ST. JUDE CHILDREN RESEARCH HOSPITAL, MEMPHIS TN, USA**NOV-14 TO NOV-15****SOFTWARE AND SYSTEM ANALYST - FULL STACK DEVELOPMENT**

Developed and maintained a web-application written in ASP.Net that provides raw and analyzed research data. Researchers utilize this web application to read and to update with more information. Created SSRS reports for the data as per the requirement in the research protocol. Another application takes in, patient MRI images and anonymizes the patient-specific information from the files with hashed data as per HIPAA compliance.

Responsibilities: Design development and unit testing of MS SQL server integration packages and reporting services. Image processing and anonymization. Requirement gathering and support for Healthcare research-protocol coordinators. Development in .Net Environment.

Environment: Eflim 4.0.1, Dicom works and Dicom Editor (Image Processing), MS SQL server, ASP.Net, SSIS, SSRS

ARROWSIGHT INC, MT. KISCO, NY, USA**MAY-11 to AUG-11****SOFTWARE ENGINEERING INTERN**

Project: Internal Audit report automation.

Developed an automation application that queries multiple web-services. Used SOAP web-services as backend and windows Power-Shell as the scripting tool, reports are generated as csv file and JSON. CSV are archived and JSONs are used to post the reports in Zoho Docs and are ready to be views in mobile and web platforms.

EDUCATION	MS – Master of Science in Computer Science The University of Alabama, Tucaloosa AL 35401	2011
	BE – Bachelor of Engineering St. Josephs College of Engineering, Anna University Chennai, India	2009

CREATIONS	– Book Library <React JS / Node.js / IBM Bluemix >
	– Book Library <Google Polymer JS / Node.js / IBM Bluemix >
	– Simple Blog <React-Redux Framework / Node.js / IBM Bluemix >
	– Color wheel <Google Polymer JS / WebGL / Node.js / IBM Bluemix>

VERIFIED CERTIFICATE OF COMPLETION

October 30, 2017



Bharat Rajan

Has successfully completed the

React

NANODEGREE PROGRAM



Sebastian Thrun
Founder, Udacity

Certificate of Achievement

Bharat Rajan

Has Successfully Completed a course in

Adv JavaScript & HTML5 using JavaScriptMVC

on

November 7, 2013

**and Demonstrated a Commitment to
Professional Excellence and Personal Growth**



A handwritten signature in black ink, appearing to read "Leslie Deutsch".

Leslie Deutsch, Education Practice Director

ORACLE®

Certified Professional

THIS CERTIFIES THAT

Bharat Rajan

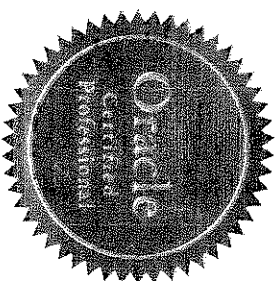
IS RECOGNIZED BY

THE ORACLE CERTIFIED PROFESSIONAL PROGRAM AS AN
Oracle Certified Professional, Java SE 6 Programmer

September 20, 2011

Date

John L. Hall
Senior Vice President, Oracle Corporation



The University of Alabama

has conferred upon

Bharat Rajan

the degree of

Master of Science in Computer Science

with all the rights and privileges therunto appertaining.

In Witness Whereof, this diploma duly signed has been issued and the seal of the University affixed.

Issued by the Board of Trustees upon recommendation of the faculty at the University on this the seventeenth day of December, 2011.

Robert S. List

President



David A. Parker

Dean