**Ananth Arumugasamy**

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 **Summary**

My concentration is mostly on developing re-usable UI Components using JavaScript and related frameworks like AngularJs, BackboneJs, PolymerJs along with libraries like jQuery and ReactJs. I have a good understanding of data structure, design patterns and algorithms to create scalable and modular components for both backend and front-end. Also experience with creating and using REST Web-services in both JAVA and Python

 **TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **UI Web Technologies** | **HTML5, XHTML, XML, JavaScript, AJAX, AngularJS1 & 2, PolymerJS, JQuery, ReactJS, ES6, JSP, CSS3, Bootstrap, BreezeJs, Flex, D3JS** |
| **IDE, HTML Editor** | **Eclipse IDE, Sublime Text, Visual Code, WebStrom, Intellj Idea** |
| **Web/App Servers** | **Apache Tomcat, HTTP Web Server, NodeJS** |
| **Database** | **ORACLE, MYSQL, SQL SERVER** |
| **Operating Systems** | **Windows 2000, Windows XP (Prof),Win 7, UNIX, Linux, MAC** |
| **Methodologies** | **Agile, Waterfall, Rational Unified Process(RUP), UML** |
| **Front End Tools** | **Gulp, Grunt, Bower, npm, Yarn** |
| **Backend Languages** | **Python, J2EE** |
| **Automation Tools** | **Jenkins, Docker, Artifactory, Ansible, Bamboo** |

**Professional Work Experience**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Company Name** | **Designation** | **Duration** |
| 1 | Intuit | Senior Software Engg | 07/2018 to current |
| 2 | Align Technology  | Team Lead  | 05/2017 to 12/2017  |
| 3 | GE DIgital | Sr.UI Developer | 07/2016 to 04/2017 |
| 4 | Wellsfargo | Sr.UI Developer | 08/2015 to 06/2016 |
| 5 | FortuneCode | Tech Lead | 11/2014 to 06/2018 |
| 6 | Getmore Technology | Developer | 05/2012 to 02/2014 |

**Educational Experience**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Degree** | **Institute** | **Percentage** | **Passed Out** |
| **1** | **Master of science in computer science** | **Northwestern Polytechnic University** | **96.25** | **2016** |
| **2** | **Bachelor of Engineering in Computer Science** | **Kalasalingam Institute Of Technology** | **76.1** | **2012** |

**Project Experience**

**Intuit**

**Bangalore, India**

**Senior Software Engineer**   **07/2018 to current**  **7/2018 to current**

**Synopsis: Mint.com** is a free, [web-based](https://en.wikipedia.org/wiki/Web-based) [personal financial management](https://en.wikipedia.org/wiki/Personal_finance) service for the US and Canada. Mint's primary service allows users to track bank, credit card, investment, and loan balances and transactions through a single user interface, as well as create budgets and set financial goals. See what you’re spending, where you can save money, and track your bills in Mint like never before. You can even keep track of your credit score to help you be smart about it, no credit card required.

Responsibilities:

* Works on developing CRUD applications using MERN stack (MongoDB, Express, ReactJS and NodeJS) and REST based API.
* Applied optimization techniques to reduce **page size** and **load times** to enhance user experience using **sprites**.
* Developed user interface by using the **React JS, Flux** for **SPA** development.
* Implemented **react JS** code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Worked on responsive design and developed a single**ISOMORPHIC** responsive website that could be served to **desktop**, **Tablets** and**mobile** users using **React.js**.
* Maintained states in the stores and dispatched the actions using **redux**.
* In Phase Two, worked closely with the **Back-End team** to display data using the **Custom Components, library Components**, and **Redux**.
* Used **Middleware, Redux-Promise** in application to retrieve data from **Back-End** and to also perform **RESTFUL services**.
* Added Dynamic Functionality by creating and dispatching **Action Creators** that deployed Actions.
* Created and used **Reducers** that received said Actions to modify the **Store State Tree**.
* Developed REST API for test server for Express Router middleware-based API's with
components from NPM (Node Package Manager) and Redux library.
* Ported YUI implementation to ReactJS.
* Worked with **JASMINE** unit test framework to write unit tests for JavaScript code.
* Built full front-end with ReactJS, Redux and few legacy codes using Backbone JS, YUI.
* Bug fixing the legacy code
* Used **CasperJS** and **selenium** for automation testing.
* Worked in various features in ES6.
* Worked with React JS components, Redux Forms, Events, Router.
* Added Dynamic Functionality by creating and dispatching Action Creators that deployed Actions.
* Maintained STATES in the store and dispatched the ACTIONS using Redux.
* Worked closely with QA team in fixing the reported bugs/defects and checking cross platform Compatibility.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* using GIT and Update Daily task in to the Agile Methodology.
* Used Saga Middleware, Redux-Promise in application to retrieve data from Back-End.
* Creaed Style, look and feel of the web page with SASS that extends CSS with dynamic behavior such as variable, mixing, operations and functions.
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Involved to implement various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.

**Align Technology**

**San Jose, CA,USA**

**Team lead**  **5/2017 to 12/2017**

**Synopsis:** "IDS" is commonly used as a name of a set of Doctor Portal web applications which includes following: Invisalign Doctor Site (IDS) itself - the portal for Invisalign providers (doctors), Realine (RDS) - the portal for Realine providers (doctors), Patient Central (PC) - the intranet web application for customer support, Public API - RESTful API for other apps, proxied by WSO2 API Manager and Internal technical applications such as Admin, scheduler, Integration, SQA Automation API.

**Responsibilities:**

* Worked extensively on **ReactJS**, **Twitter Bootstrap**, Restful web-services, HTML 4/5, CSS 2/3, JSON, **Media queries** for responsiveness.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using **GIT** source control.
* Works on developing CRUD applications using **MERN** stack (MongoDB, **Express**, ReactJS and NodeJS) and REST based API.
* Managing multiple projects and team from different countries. Managing offshore team from Russia, Germany and India.
* Used **AWS** Elastic Beanstalk for deploying and scaling web applications and services developed with **Java**, **Node.js** and **Ruby**, and **Docker** on familiar servers such as Apache.
* Hands-on experience in using message brokers such as **RabbitMQ.**
* Used **ethereumjs-tx** library for offline transactions.
* The back-end use NodeJS, Express, **MongoDB** and mongoose to provide RESTful API.
* Works with Gulp, Node Package Management, MongoDB.
* Using ReactJS to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests, etc.
* Develops Data-Driven applications.
* Performs UNIT testing with Jasmine, and consumes web-services like RESTful API.
* Works with **Data Structures**, **Algorithms**, and Complexity Analysis.
* Python programming with the **TensorFlow** library for running algorithms on the GPU.
* Development was done using  MySQL, AngularJS, **Python** and Bootstrap in Django web framework.
* Data science performed using **numpy**, **pandas**, **matplotlib** and **scipy** libraries.
* Wrote Python normalizations scripts to find duplicate data in different environments.
* Wrote scripts to Import and Export data to **CSV**, **EXCEL** formats from different environments using Python and REST API call.
* Used **Django** framework for application development.
* Used **Django Database API’s** to access database objects.
* Wrote python scripts to parse XML documents and load the data in database.

**Environment**: Heroku, Docker, Ansible, Bamboo, Bugsnag, Artifactory,  JSP, ReactJS, Python, Django, Redux , ES6, Maven, Amazon EC2, Gulp, Bootstrap, JSON, RESTful web services, IntelliJ idea 14, sublime Text, Visual Studio Code.

**GE Digital**

**San Ramon, CA,USA**

**Sr.UI Developer** **7/2016 to 4/2017**

**Synopsis:** Plant Calendar is a core application of the BMS suite which provides services to other application in the BMS suite for scheduling Productive and Non-productive events and site configuration. It provides services to provide shift information to calculate KPIs and Overall Equipment Efficiency calculations.

**Responsibilities:**

* Used **ReactJS** to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Used **ReactJS** to create Controllers to handle events triggered by clients and send request to server and maintain each view data.
* Works on **React** and **Functional Driven JavaScript** expert in SPAs, UI Components, Mobile web and Performance optimization.
* Works on developing CRUD applications using MERN stack (MongoDB, Express, ReactJS and NodeJS) and REST based API.
* Developed REST API for test server for Express Router middleware based API's with
components from NPM (Node Package Manager) and Redux library.
* Created and deployed new features in order to sustain and amend existing applications under MVC pattern using AngularJs.
* Used John Papa style guide to create components in **Angular 2.0** where leveraged new features such as AOT, shadow DOM, observables and CLI.
* Used typescript as a superset for JavaScript with babel to make it compatible to older browsers.
* Used **protactors** for automation testing.
* Used build tools like Gulp and Grunt. Used exisiting functions of lodash.js and moment.js.
* Created **NodeJs** API’s for reverse proxy to micro-service endpoints.
* Created **NodeJS** API gateway service to talk to multiple services.
* Investigating architecture and best-practices for design system module development.
* Created a demo for client using **ReactJS** for view, redux for state management and webpack to serve the components.
* Develop the Application using **PolymerJS**  Web Components and its features like app-routing, and various built-in Components like iron-ajax and dom-bind.
* Experience in working with **SASS** as a pre processors to create CSS using mixins, nesting of selectors, variables etc.
* Improvements to Continuous Integration & Continuous Delivery development pipeline using Web Component Tester, Gulp, Grunt, Github, Jenkins, Cloud Foundry, and TravisCI.
* Establishment of Contribution and Governance process to accept design and development contributions to the core **Predix UI.**
* Finish testing the Application as a part of the Acceptance Criteria – both Unit and e2e Testing using Jasmine, Karma and Protractor.
* Optimize the Application’s Performance via bundling and **Vulcanization**.
* Written several reusable custom directives to perform DOM manipulations within different views of Single Page Application.

**Environment: HTML5, CSS3, Java Script, AngularJs, PolymerJS, NodeJS, ReactJS, Rally, SpringBot, Agile methodology.**

**WELLSFARGO**

**SAN FRANCISCO, CA, USA**

**Sr.UI Developer** **8/2015 to 6/2016**

**Synopsis:** Worked on the customer complaint application for general customer to raise their concern and worked on store survey and store review mobile application for bank employees to create a survey and reviews for store even in offline using BreezeJs and AngularJs. The employee can create, update and delete review and survey based on their roles.

**Responsibilities:**

* Developed a single page, mobile-first, cross-device/cross-browser web application for real-time location sharing utilizing **AngularJS**, JavaScript API.
* Developed mobile applications using **AngularJs** for single page approach.
* Create a sizable amount of **custom directive** in AngularJS for loading, role checking, progress Bar, comment, work paper content and etc.,
* Worked on laying out data in **ui-grid** by using custom directives and services for sharing common data across controllers.
* Developed offline mobile application using **BreezeJs**
* Application aggressively cached certain HTTP responses so that if offline, those responses could be used as reference for future requests.
* Worked on lot of bug fixes and performance optimization of AngularJs specifically for IE.
* Worked on rendering dynamic content via Ajax by using $http module and also worked on chained AJAX calls by using promises (**$q module**).
* **Flex**used along with Angular JS in creating the Application.
* Responsible for developing and maintaining all the entity and session beans.
* All data requests abstracted into resource modules.
* Used JavaScript to update a portion of a web page thus reducing bandwidth usage and load time in web pages to get user input and requests.
* Involved in writing SQL Queries, Stored Procedures and Triggers.
* Application supported multiple languages through custom localization implementation (included server responses).
* Participate in all phases of research and design to create a new innovative user experience with Perfecto’s mobile application across multiply mobile phones and tablets in iOS, Android and Windows. Work specifically in designing and recreating the whole user interface across the Android mobile platforms.
* Wrote custom JQuery plugins to build a bleeding-edge, AJAX-driven user interface.
* Worked on lot of bug fixes and performance issue and manipulated the Nodes using DOM and DOM Functions using IE Developer Tool bar for IE.

**Environment: HTML5, CSS3, Java Script, JQuery, AngularJs, BreezeJs, Flex, JAVA, Spring, Hibernate, Agile methodology.**

**Fortunecode**

**INDIA**

**Tech Lead** **11/2014 to 06/2018**

**VISA**

**Houston, TX**

**Sr.UI Developer** **01/2014 toCurrent**

**Synopsis**: As a founder, I am responsible for the company's technology strategy and development of the marketplace platform. Involving in multiple projects like e-Commerce, Social Networking Site, WordPress Blogs, Service Based Websites (with payment gateways) and many more.

**Responsibilities:**

* In charge of all sales including hiring, training, and payroll for all commissions, also in charge of all financial aspects of the company regarding loss and profits for each month, taxes, budget cuts etc.
* Used **MongoDB** as Data base to store data and schemas.
* Used **Angular 2+** as framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server using Bootstrap, Material.
* Functionalities include writing code in HTML5, CSS3, JavaScript, **Angular 2+**, Spring Boot, Java making use of libraries such as Bootstrap, Material.
* Ensure constant communication with developers to ensure we are meeting the needs of clients.
* Refine my company’s product vision as a result of frequent interactions with your customers.
* Optimizing the team fit and exponentially put the right people in the right places.
* Researching and connecting with the key players in the market to develop a corporate team.
* Maintained IT inventory to manage office hardware and worked closely with vendors to obtain best prices, service, and supplies.
* Standardized information processing in conjunction with internal and external clients, and integrated automated checks and balances strategy to achieve zero defects in products.
* Plans and coordinates the logistics for both internal corporate events and external as necessary.
* Prepares weekly staff summary reports for leadership updates.
* Provides confidential executive-level administrative support to the staff of Corporation.
* Manages and coordinates all administrative functions at the headquarters office.
* Establishes and maintains effective working relationships with the executive staff among employees, government officials, and the general public.
* Ensures all routine maintenance is scheduled and successfully completed within the organization

**GETMORE TECHNOLOGY**

**Virudhunagar, TN, INDIA**

**Developer 05/2012 to 02/2014**

**GETMORE TECHNOLOGY**

**Virudhunagar, TN**

**UI Developer 08/2008 to 06/2010**

**Synopsis:** This healthcare website was a generic product, developed that could be easy to adopt for almost all healthcare organizations. Additionally, according to requirements of different healthcare organizations, features can be added or removed.

The project was to enhance existing, internal MRP system (software) such that processes on system will be automatized and have quick responses based on human actions.The challenge was to significant dependency of processes on human activities, on system.

**Responsibilities**:

* Responsible for the overall layout design, color scheme of the web site using **XHTML** and **CSS**. Created detailed wire frames & process flows.
* Worked one-on-one with client to develop layout, color scheme for his website and implemented it into a final interface design with the **HTML/CSS & JavaScript**
* Developed RESTful web-services, for upstream and downstream web-applications using **Django rest framework.**
* Developed Job dashboard monitor UI using **Django**/Flask.
* Developed Table Management System replacement, Dinetime written in Django Flask and deployed to production
* Supported Table Management System webapps written in Django/Flask.
* Involved in working with large teams to support existing ETL framework written in python.
* Used the Model View controller (MVC) framework to build modular and maintainable applications.
* Responsible for setting up Python REST API framework using Django.
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation
* Developed dynamic web pages using python Django Frameworks. Designed and Developed Database of users for the online banking system.
* Developed **GUI** using **JavaScript**, **HTMLDOM, XHTML, AJAX, CSS** in ongoing projects
* Wrote Python routines to log into the websites and fetch data for selected options.
* Involved in building database Model, APIs and Views utilizing Python. Responsible for design and development of the Customer Relations Module.
* Worked on documentations and presentations using Microsoft office.

**Environment: HTML, CSS, JavaScript ,Eclipse IDE, Aptana Studio, XML, Photoshop.**

**EDUCATION**

MS in Computer Science and Engineering

**Northwestern Polytechnic University, CA, USA**

BE in Computer Science and Engineering

**Kalasalingam Institute of Technology, Anna University**, TN, INDIA