**Hariharan Sivaraj**

+1 707 559 8405

hariharan.sivaraj@gmail.com

**Career Summary**

* Over **15+ years** of experience in all phases of Software Development Life Cycle (SDLC) including identification of business needs and constraints, collection of requirements, architecture, UI Design, implementation, testing, deployment and maintenance.
* Worked on front-end technologies using **Angular**, **TypeScript**, **React JS, RxJS,** **HTML5**, **CSS3**, **JavaScript**, **ES6**, **DOM**, **jQuery**, **Bootstrap**, **AngularJS**, **NodeJS**.
* Architected and Developed Micro Front End, Multi Tenant Framework from the scratch using **Angular**, **Javascript**, **HTML**, **CSS and Web Components.**
* Created **Progressive Web Applications (PWA)** by leveraging **Service Workers** key benefits of content **Caching** and **Push Notifications**.
* Extensive experience with **Angular** – Designed and Created multiple applications in Angular 4 thru 8 along with **Angular Material** and **Bootstrap** components.
* Hands on experience in **Media Queries, Flex Layout in CSS.**
* Good knowledge in concepts of the **React JS and Redux**.
* Experience with **Web Sockets and SignalR** to make real-time web application for duplex communication.
* Created customized Angular seed project using **Yeoman** generator based on the needs of different teams.
* Working knowledge of Javascript specific design patterns – Module, Revealing Module, **Prototype, Observable, Promise** patterns and good understanding of Object Oriented Concepts and design patterns.
* Extensive experience in **PHP 5.4, MySQL 5.5**
* Working Experience in **AWS** services and **Docker** Containers.
* Worked on Mobile-first responsive web applications using **Bootstrap**
* Extensive experience with **jQuery** – CSS3 Selectors, DOM traversal, manipulation and event handling
* Good experience in developing **REST API** using **PHP, ASP.NET Web Api, Node JS**.
* Extensive Experience in running projects leveraging **Agile Scrum** methodology.
* Experience with **Webpack** to perform minification, compilation and linting
* Knowledge in **J2EE, Spring MVC and Hibernate.**
* Good Experience in **tuning** the **performance** of the web pages.

**Skills Summary**

**Programming:** Angular, Javascript (ES5&6), Typescript, RxJS, HTML5, CSS3, SASS, jQuery, Angular JS, Node JS, Express JS, React JS , Bootstrap, PHP 5.4, Java, J2EE, ASP.Net Web API, Shell Scripting, PL/SQL, Spring, Hibernate, AG Grid.

**Server Technologies:** Apache, Nginx, Tomcat, WebLogic

**Tools:** VS Code, Eclipse, Netbeans, Notepad++, Sublime Text, JIRA, Bamboo, Jenkins, Fisheye, Crucible, Ansible

**Database:** MySQL 5.5, Oracle 12c, MS SQL Server

**Source Control:** SVN, Git

**Front End Build/Test Tools**: Gulp, Web pack

**Qualifications**

**University:** B. Tech – Information Technology - Anna University, 2005

**Project Summary**

Some of the recent projects are briefed below.

**Employer:** Mitchell Martin Inc

**Client**: Bank of America

**Project:** Insight Desktop

**Description**:

Insight Desktop is a Micro Front End, Web component based, Multi Tenant, UI Configurable Framework. It includes the following features

1. JS Framework Agnostic UI Development

2. Multi Tenancy

3. Configuration Driven User Interface

4. Sharable Component Library

5. Independent Change Management

6. Resource Based Access Control at the Component Level

7. Version Controllable

8. Portable Application Development

**Duration**: 1 Year 6 Months (Sep 2019 to till date)

**Role**: Technical Architect

**Environment**: Angular, HTML5, CSS3, SASS, Material, Bootstrap, Node JS, Oracle 12c, .NET, C#.Net. Web API, Web Pack.

**Responsibilities**:

* Architected Insight Desktop Framework and Developed from the scratch.
* Thought leader of Insight platform
* Created the manifest of application that are using Insight Desktop Framework
* Created User Interface using CSS Flex Layout using the utilities provided by Bootstrap
* Leveraged Fetch API for handling HTTP request and response (both synchronous and async).
* Created and maintaining NPM Packages for Core (Base Components), Services (Event Bus, AMPS, REST) that are needed for Insight Framework
* Implemented Event Bus for web component communication
* Implemented custom route strategy for application routing
* Encompassed the entire framework as one web component within shadow DOM using angular custom elements.
* Created strategy to create single collection of web components in single JS bundle
* Defined the hosting strategy to easily import the JS bundle thru simple url manipulation
* Trained more than 20 developers to use the insight framework across bank.
* Documented the framework usage and its architecture
* Used SignalR and Web Socket to implement two way syncing between mobile and desktop for real time data flow.
* Leveraged RxJS Operators to implement various functionalities.
* Followed Agile Software Development Methodology in the progress of the project.
* Worked in CI/CD (Continuous Integration and Continuous Deployment) environment

**Employer:** Mitchell Martin Inc

**Client**: Bank of America

**Project:** Banking CRM

**Description**:

Banking CRM is strategic initiative from Sales team to develop CRM system for Corporate Banking. This pilot project includes Angular Desktop application with the features of real time meeting and contact creation along with seamless outlook integration for meetings and contacts created through application, client and contact profile and list pages along with coverage details.

**Duration**: 1 Year 6 Months (Nov 2017 to May 2019)

**Role**: Senior Web Developer

**Environment**: Angular, React JS, RxJS, HTML5, CSS3, SASS, AngularJS, Material, Bootstrap, Node JS, Oracle 12c, .NET, C#.Net. Web API, Web Pack.

**Responsibilities**:

* Followed Agile Software Development Methodology in the progress of the project.
* Worked in CI/CD (Continuous Integration and Continuous Deployment) environment.
* Used NodeJS and Yeoman generator to generate the custom angular seed project like what modules should be part of the angular project and what UI library should be leveraged.
* Created Progressive Web Applications (PWA) by leveraging Service Workers key benefits of content Caching and Push Notifications.
* Created Micro Front End applications using Web Components using Angular Elements
* Created User Interface using CSS Flex Layout
* Leveraged Fetch API for handling HTTP request and response.
* Created dynamic form fields using Angular Form Module and also used Material components for date picker.
* Implemented many angular services for storing the application data and for other application related data service.
* Implemented custom route reusable strategy for application routing
* Used SignalR and Web Socket to implement two way syncing between mobile and desktop meeting creation flow.
* Developed the entire desktop application from the scratch.
* Used Gulp to perform minification, compilation and linting.
* Leveraged RxJS Operators to implement various functionalities.
* Implement custom auto complete directive using RxJS Subject.

**Employer:** HCL America Inc.

**Client**: HBO: A Leading media company

**Project:** HBO - MIND

**Description**: HBO, the famous television network owned by Home Box Office Inc. It is the second largest premium channel in providing pay television service in the United States. MIND is a non-linear content scheduling application for HBO’s on-demand services. To provide content to a non-linear service, HBO uses MIND to define and prepare a digital file package. The types of files in this package will depend on which type of service it is prepared for. Some of the different service types include On Demand, Broadband, Electronic Sell Through (EST), Subscriber Video On Demand (SVOD), and Free On Demand (FOD). There are some upstream applications and downstream application which are depends on and depended by MIND respectively. MIND is governed by admin application called MASCoT. MASCoT is Angular application heavily consumed by developers of MIND to configure various services.

**Duration**: 3 Years (Oct 2014 to October 2017)

**Role**: Senior Technical Lead

**Environment**: Java/J2EE, Spring, HTML5, CSS3, SASS, AngularJS, Angular, ES6, Bootstrap, Node JS, Express JS, PL/SQL, Oracle 12c, Grunt, WebLogic, Eclipse, Hibernate

**Responsibilities**:

* Followed Agile Software Development Methodology in the progress of the project. Worked in CI/CD (Continuous Integration and Continuous Deployment) environment.
* Used Node JS, Express JS to create server-side REST API using Model Controller and Router framework.
* Built out restful endpoints and lightweight aggregation layers using Node JS Framework such as Express JS, Body parser etc.
* Extensively used Promises and EventEmitter in Node JS to avoid callbacks and more readable code.
* Implemented Angular Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory and created custom directives.
* Created AngularJS Controller which Isolate scopes perform operations in UI.
* Used JSON response modulation in rest services to make it more generic for our mobile team to consume the services.
* Created routers and views to create SPA (Single Page Application) to make application dynamic and more user-friendly using AngularJS.
* Extensively used Angular JS to call REST API's and push content to the user interface
* Worked extensively on Angular JS in creating Controllers, Making AJAX calls using $http services and JSON parse.
* Used Bootstrap CSS Grid System to create responsive layouts, navigation and tables and used Bootstrap components like Carousel.
* Experience with Web Socket to make real-time web application for bi-directional communication.
* Developed a core component of Analytics with Angular JS.
* Implemented Angular Controllers to maintain each view data.
* Implemented Angular Service calls using Angular Factory.
* Used Gulp to perform minification, compilation and linting.

**Employer:** HCL Technologies Ltd. India.

**Client**: Univision: A Leading media company

**Project:** Univision Interactive Media

**Description**: Univision Interactive Media is a part of the Univision Communications Inc., the leading media company serving Hispanic America. It is the largest Spanish-language publisher, featuring best-in-class content, tools, services and comprehensive resources across a wide range of consumer verticals. It caters to Univision’s interactive business, which comprises a network of national and local online and mobile sites including Univision.com, which continues to be the #1 most-visited Spanish-language website among U.S. online Hispanics; Univision Móvil which has unique and relevant mobile products and services; and Univision Partner Group, a specialized advertising and publisher network. The mobile offerings include mobile Web sites, mobile applications, in-show interactive elements, mobile video channels, alerts and Text-messaging platforms and an extensive catalog of downloadable content. Univision Interactive Media has partnerships with leading technology companies, content producers and mobile developers to expand and enhance user experiences on Univision’s digital platforms.

Univision makes use of a Web Content Management (WCM) system derived from nStein, which is an enterprise Web content management system that supports Multi-site/multi-channel content management, enhanced categorization including taxonomies, tagging, advertising and flexible design templates. Additional applications/components of the online publishing eco-system of Univision include: Feed-Platform which is used for communication with third party/provider servers and fetching data in the Univision standard format, Feed-Syndicator which used for syndicating data to third parties, clients, MCM which is the Media Content Management System, used for storage and maintenance of the media content, specifically Videos.

Some salient featured like simplified interface for content creation, workflow management and ability to add new content types, templates of WCM greatly helps in the online content publishing of Univision.

This will help content producers of Univision in different ways

* Development of new web sites using WCM user interface.
* Customizing the contents and content types based on categories needed for Univision
* Integrating the developed web sites with existing portals of Univision or any other vendor.
* Scheduling of feeds and ingesting feeds which are primarily third party data (videos) to the WCM content management system.

**Duration**: 1 Year 9 Months (Sep 2012 to Sep 2014)

**Role**: Senior Technical Lead

**Environment**: PHP 5.3, MySQL 5.1, nStein Framework, GIT, XML, jQuery, Elastic Search, AngularJS

**Responsibilities**:

* Designing and developing various standard widgets by using nStein PHP framework.
* Developed thymeleaf templates using jQuery and Angular JS.
* Created REST API for football statistics using Elastic Search in PHP.
* Involved in design discussions of revamping Univision home page.
* Involved in the reducing the page cost of the futbol and home page.
* Developed and designed the football video pages using Digital Smith API.
* Root cause analysis of the various live issues arising out of the system and provide solutions.
* Ensured that the agile software development life cycle is followed as defined.

**Employer:** HCL Technologies Ltd. India.

**Client**: Ticketmaster: A leading ticket sales and Distribution Company

**Project:** Account Manager

**Description**: Account Manager is a powerful customer-facing season ticket management application. When customers access Account Manager from team's website, it enhances their season ticket holding experience while at the same time providing further buying opportunities increasing the likelihood of additional sales.

**Duration**: 1 year (Oct 2011 to Sep 2012)

**Role**: Technical Lead

**Environment**: PHP, HTML, CSS, MySQL, JQuery, Twig, Kohana Framework.

**Responsibilities**:

* Developed Event Calendar UI of the application using jQuery
* Created PHP Unit test cases to achieve 90% code coverage of the application.
* Developed various modules in Kohana PHP framework and also fixed existing bugs in the application.
* Developed user interfaces using Twig template and jQuery.
* Helped to optimize the SQL used in the application to achieve better performance.
* Ensured that the agile software development life cycle is followed as defined in the client quality processes.

**Employer:** HCL Technologies Ltd. India.

**Client**: Live Nation: A leading live events company

**Project:** VIP Nation Concert Club

**Description**: The VIP Nation membership provides access for members to purchase tickets to all Live Nation promoted/produced shows in the market. The membership requires a password protected micro site for each market that lists the shows available in that market and allows members of the program to submit ticket requests.

Local Sales representative contacts the potential Member. If Member decides to join the VIP Nation, the Local Sales representative will create Member profile online and input credit card information to charge the membership fee for their market. Credit Card payment transaction will be done in eTix system. Member can also create account for single market subscription

Once membership has been processed, Members can log on to a user name/password protected site that links to a regional VIP Nation landing page. The total list of venues in the region of their choice will be listed. There is a required box that needs to be checked, stating that they read the rules and regulations for the VIP Nation.

**Duration**: 5 months (May 2011 to Sep 2011)

**Role**: Technical Lead

**Environment**: PHP, MS SQL Server, Zend Framework, HTML, CSS, jQuery, PL/SQL

**Responsibilities**:

* Developed few modules in Zend Framework for payment sections.
* Troubleshooting the existing issues in the payment gateway (First Data)
* Tweaking the database design in order to add multiple credit card payment feature.
* Developing unit test cases and performing functional testing

**Employer:** HCL Technologies Ltd. India.

**Client**: Viacom: A Leading mass media company

**Project**: Platform Application Site Support

**Duration**: 2 Years 7 months (Oct 2008 to Apr 2011)

**Description**: Viacom has many brand websites developed in PHP and Java. All sites have to be maintained and need to be ensured that the downtime is minimal and sites perform well. Platform site support team maintains all the sites and ensures that the downtime is minimal and sites perform well. The team also develops standard frameworks/components that can be used in all sites for improving performance and easier maintenance.

**Role:** Lead Engineer

**Environment**: PHP, MySQL, PEAR, PHP Unit, PHP CS, Crabapple, JIRA, Fisheye, Agile

**Responsibilities**:

* Developed many PEAR modules for features like OAuth, Twitter Bootstrap, Memcache and written the test cases for 100% code coverage
* Modularizing the Crabapple framework into PEAR modules.
* Root cause analysis of the various live issues arising out of the system and provide solutions.
* Involved in performance tuning of MTV Japan website for EMA awards using Memcache.
* Review codes of existing sites that perform badly and suggest code changes for improving performance
* Preparation and review of test cases (Unit/Performance/Integration)
* Developed WordPress plugins for WordPress websites.
* Review and analysis of test results, subsequent activation of preventive and corrective actions.
* Ensuring that the software development life cycle is followed as defined in the HCLT quality processes.
* Compilation of the weekly status reports along with the Project Manager

**Employer:** Dot Com Infoway Ltd. India.

**Client**: Galatta.com: A leading movie portal

**Project**: Galatta Community

**Duration**: 1 year 8 months (Nov 2006 to Sep 2008)

**Description**: Galatta Community is the social utility that connects people with friends and others who work, study and live around them. People use Galatta Community to keep up with friends, upload an unlimited number of photos, and learn more about the people they meet. Create fan clubs/groups of their favorite stars, find their friends in the network and invite them if not. Blog about all things filmy, Write their own movie reviews, Discuss the latest movies and music.

**Role**: Functional Lead

**Environment**: PHP, ASP, ASP.NET, MSSQL Server, MySQL, HTML, CSS, jQuery, Wordpress, Drupal

**Responsibilities**:

* Involved in the analyzing the requirements and Functionalities
* Involved in migration of existing website developed in ASP to PHP
* Using the open source which meets maximum client requirements and customize
* Designing of User interface
* Architecting word press plug-ins for the web application
* Updating the Project collection form with latest enhancements/requirements of the application
* Modification & Enhancements to the code
* Interacting with client
* Conduct Code Review activities Review and analysis of test results, subsequent activation of preventive and corrective actions.