**Ganesh Kumar**

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**Summary**:

* 11+ years of experience in SDLC, web and application development using MEAN (Mongo, Express Angular and Node) Python, Java Spring and PHP.
* Experienced in developing cloud native applications on various cloud platforms like AWS, Azure and GCP.
* Hands-on experience in frontend/client-side world and have expertise with React, Redux, Bootstrap and jQuery.
* Expertise in RWD (Responsive Web Design), SPA (Single Page Applications) and REST and SOAP based APIs.
* Worked in various agile methodologies like Scrum and Kanban.

**Technical Proficiencies**:

**Programming Languages**: JAVA, Python, Node, Angular, ExtJS, PHP, HTML, CSS, C,

**DevOps**: Jenkins, Docker, Kubernetes, Terraform

**Cloud**: AWS (API Gateway, Lambda, SNS, SQS), Azure, GCP

**Database**: Oracle, MS SQL Server, PostgreSQL, MongoDB, DynamoDB

**Version control and IDE**: Git, Bitbucket, SVN, MS Visual Studio, IntelliJ, Eclipse, Web Storm, PyCharm

**Experience Summary**:

**Fusion Alliance – OneMain Financials (Remote)**

Lead Application Developer

Nov 2021 to Now

**Responsibilities**:

* Deeply involved in requirement gathering and refinement for OneMain Point of Sale project and contributed to drafting high level architecture for the entire platform by designing context diagram, sequence diagrams and DFDs.
* Rapidly created mock-ups, wireframes and POCs for evaluation and discussion.
* Delivered functional cloud native REST module using AWS API Gateway, lambda and DynamoDB.
* Used features like DynamoDB event streams, AWS state machines and step functions to create scalable microservices
* Actively participated in various Agile Scrum ceremonies.

**V.B. Technologies, NJ (Remote)**

Lead UI Developer

Mar 2018 to Nov 2021

**Responsibilities**:

* Daily programming in server and client side by using Angular.js/2/4, React.js, Java, J2EE, Node.JS and Express.JS.
* Developed front-end interfaces/ dynamic web pages using HTML/HTML 5, CSS3, JavaScript, XHTML, jQuery, AJAX, and Bootstrap.
* Extensive use of Angular for developing the SPAs (Single Page Applications) for internal application/tool.
* Rapidly created mock-ups and wireframes for evaluation and client discussion.
* Communicate with the client to understand the requirement of the website, gained experience in project planning, involved in writing the Project Design Document and Project Plan Document.
* Worked on using React.JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Designed and developed CSS behaviours, CSS styles, CSS fonts, CSS buttons, Pseudo Classes.
* Implemented flux pattern by using redux framework as a core dependency.
* Developed Web API using Node.JS and hosted on multiple load balanced API instances.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Written scripts in Python, Perl, Java to automate log rotation of multiple logs from web servers and for automation and monitoring of AWS services like VPC, ELB, RDS, Lambda, AWS OpsWorks, Cloud Front using Shell and Python scripts and Using Jenkins AWS Code Deploy plugin to deploy.
* Working on AWS services (S3, EC2) and deployment services (Lambda) and RDS, DynamoDB(NoSQL), Beanstalk, SQSand Jenkins CICD.
* Implemented modules using Core Java APIs, Java collection, Java 8(Streams), multi-threading, and object-oriented design principles.
* Involved in upgrading the existing system from Angular 7 to Angular 8.
* Updated the application with new features of Angular8.
* Used NGRX for state management to further optimize the app. Keeping current with Angular ngx version and Typescript we were able to further modularize the app for reusability and consistency.
* Involved in Enhancement of existing application utilizing Angular 7 andcreated HTML navigation menu that is role based menu items changes dynamically, derived from the database in the form of XML.
* Developed components as an independent module for reusability across the application using Angular, RXJS, and ngRx/store platform.

**onpointwares, Sanjose, CA (Remote)**

Sep 2015 to Jan 2018

Sr. UI Developer

**Responsibilities:**

* Developed real time tracking of class schedules using Node JS (socket.io based on socket technology, Express JS).
* Created restful web services for Catalog and Pricing with Django MVT, Jersey, MySQL, and MongoDB.
* Worked on JavaScript frameworks Node.js to augment browser-based applications.
* Experience in working with Ruby on Rails and PostgreSQL, MySQL, TSQL and Oracle on the backend and HTML5, JavaScript, JQuery, Angular.JS, Backbone.JS, CSS and Bootstrap on the front end.
* Involved designing in web pages using HTML 5, CSS3, JavaScript, Bootstrap, SASS , LESS , React.js, Redux, Flex , Mongo DB.
* Used Hibernate for Object relational model for handling server side / database object data.
* Extensive experience on MVC frameworks like AngularJS for creating Single-Page Applications(SPA) using concepts like Dependency Injection, Promises, Services, Scope, Controllers and Directives.
* Used Vue.js events distribution and parent chain for parent-child component communication.
* SQL Server and Oracle Sql developer is used in the database.
* Integrated spring and Hibernate ORM framework for persistence and used Hibernate DAO Support with Hibernate Template to access the data.
* Designed and developed AngularJS components such as controllers, directives and services.
* Created an internal browser-based text editor using HTML, CSS, JavaScript, Require.js, Backbone, Ember.Js, Jasmine, Selenium
* Developed JSP pages using tag libraries and presentation layer using JSP, JavaScript, JQuery, HTML5, CSS3, and AngularJS. Worked with JQuery UI plug-in like widgets, interactions and effects.
* Wrote JDBC statement, prepared statements and callable statements for various DDL and DML operations.
* Involved into Mobile web application development using iOS and Android
* Designed user interface for users to interact with system using JQuery, JSON, JavaScript, HTML, CSS, Angular JS and Bootstrap. Developed JSP's for the presentation layer.
* Wrote Oracle PL/SQLprocedures, triggers, views for the back-end database access.
* Worked with Python, Django, No SQL database Mongo DB and worked with it to perform many different operations.
* Worked with VUE JS Forms, Validations, Modules, Components, directives, controllers, two-way binding of data and HTTP Request.
* Re-architecture the existing framework in VueJS to better use of re-use components, webpack configuration of sass/css and established correct pattern to achieve code coverage of 80% utilization.
* Involved in Agile/SCRUM based approach to UI Development.
* Wrote lambda functions involving different AWS services and collaborated with the CI/CD team to work on Jenkins.
* Created server less lambda-based websites using HTML, CSS, JavaScript, Python(Django) and Java
* Used Jenkins and Maven to manage automated builds from SVN and to track promotion status.

**SPX, NC CHARLOTTE**

Jan 2011 to Aug 2015

Sr. UI Developer

Responsibilities:

* Created custom, general use modules and components which extend the elements and modules of core Angular JS.
* Implemented two-way data binding through scope in applications built on Angular JS and one-way binding when necessary.
* Created model binding and API calls using Angular JS.
* Developed high-performance web applications using JavaScript, HTML5/XHTML,CSS, jQuery, and Angular.
* Built a high-performance, reusable code library for UI and backend components.
* Developed MySQL and MongoDB based backend.
* Implemented modules into Node JS to integrate with designs and requirements.
* Developed Web API using Node.js and hosted on multiple load balanced API instances.
* Worked heavily in AWS cloud resources to better achieve a lower cost and higher performance/uptime.
* Developed form validations utilizing Angular JS messages modules.
* Implemented re-usable templates with JavaScript handlebars and generating layouts.
* Created interactive prototypes using Balsamiq and InVision.
* Developed data visualization tools using Algorithmic Programming, WebSockets, JSON and AJAX for market sentiment indicators, live streaming price panels, live events count down widget, economic calendars.
* Used various jQuery plugins date picker, dialog boxes to build Rich Internet Application (RIA) to make it look more intuitive.
* Modified Shopify template with client's branding, Customized menu structure to suit categories, Setup categories, product pages, blog, and special pages.
* Used jQuery to perform AJAX to get JSON data from the backend and parse it on the front-end.
* Created SQL scripts for tuning and scheduling with SQL server.

**CISCO, San Jose CA**

Nov 2009 to Apr 2010

UI Developer

**Responsibilities:**

* Analyzed system requirements and functional requirement/documents.
* Communicate with the client to understand the requirement of the website, gained experience in project planning, involved in writing the Project Design Document and Project Plan Document.
* Hands on the process of development, testing and maintenance.
* Participated as a team member in designing the user interface using HTML and CSS to make the interface use-friendly, especially child-friendly.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using JavaScript, jQuery, CSS, and HTML.
* Enhanced and built reusable components across different modules using Custom directives and CSS classes.
* Created Responsive Designs (Mobile/Tablet/Desktop) using HTML&CSS, Bootstrap.
* Created Cross-browser compatible.
* Created and optimized graphic prototype websites and applications interfaces using HTML and CSS.
* Involved in write application level code to interact with APIs, Web Services using AJAX, JSON and XML.
* Implemented and designed user interface for web-based customer application.
* Developed data formatted web applications and deploy the script using client-side JavaScript.
* Worked on Cross-Browser compatibility and fixed the bugs for several browsers.
* Worked extensively on Spring MVC framework to develop new internal web application.
* Integrated with back end code (PHP) for highly interactive AJAX based applications.
* Maintained 24/7 high volume availability demands using open source tools such as Linux, Apache, PHP, and MySQL.

**Amazon, Seattle WA**

Feb 2009 to Oct 2009

Java Backend Developer

**Responsibilities**:

* Created the web application using MVC Struts framework.
* Created user-friendly GUI interface and Web pages using HTML and DHTML embedded in JSP.
* Developed web layer using Struts framework to manage the project in MVC pattern
* Used Eclipse to develop J2EE Components. Components involved a JSP front end (Light weight). CSS and scripts were also part of front end development
* Designed J2EE project with Front Controller pattern
* Designed CSS and tag libraries for Front end
* Extensive use of Java scripts and AJAX to control all user functions.
* Developing front end screens which includes JQuery, JSP, JavaScript, Java and CSS
* Attend business and requirement meetings
* Using ANT to create build scripts for deployment and run the JUnit test cases
* Using VSS extensively to code check-in, checkout and version them and maintain production, test and development views appropriately.
* Understand the sources of data and organize it in a structured table setup
* Deliver daily reports and data sheets to clients for their business meetings.
* Code review, unit testing and local Integration testing.
* Integrating of application modules, components and deploying in the target platform.
* Involving in the requirement study, and preparation of detailed software requirement specification.
* Involving in low level and high level design and preparation of HLD and LLD documents Visio. Testing support during integration and production

Environment: C, Java, Hadoop, Hive, Sqoop, Zookeeper, MapReduce, JSP, J2EE, Struts, JDBC, Oracle, SQL, Log4j, JUnit, VSS, Ant, Shell script, Visi

**Bank of America, NC Charlotte**

Apr 2008 to Jan 2009

Fullstack Developer

**Responsibilities**:

* Have been involved in Java/J2ee development using Java, Servlets, Adobe Flex 3.0, ActionScript 3 to build highly interactive front end using Flex Cairngorm framework and using RESTful Web Services with standard design patterns.
* Implemented J2EE Design Patterns DAO (Data Access Object), DTO (Data Transfer Object), and Service Locator and MVC design patterns.
* Have done code review and configuration build management for the application using Ant, ClearCase.
* Have used IDE tool Eclipse Ganymede for development, integration with web application server Tomcat 6.0 and JBoss.
* Used database DB2 for the back-end system and have written SQL.
* Developed components in test-driven environment using testing framework JUnit.

Environment: Java, JSP, Servlets, Adobe flex 3, Cairngorm framework, RESTful Web Services, XML, ActionScript 3, ANT, Eclipse, Tomcat 7, JBoss, ClearCase, Oracle 10g, Toad, Windows XP, UNIX.

**Constant Contact, Boston MA**

June 2007 to Mar 2008

Web Developer

**Responsibilities**:

* Involved in System Analysis and Design methodology as well as Object Oriented Design and Development using OOAD methodology to capture and model business requirements.
* Review and guide the application architects with Object Oriented Design using Rational Unified Process (RUP) and also proficient in using UML-Rational Rose.
* Implemented the web-based application following the MVC II architecture using Struts Framework.
* Developed user defined custom JSP tags to separate presentation from application logic.
* Responsible for creation and consumption of Web services using SOAP and WSDL.
* Designed, developed JSP, Servlets, and EJB and deployed them on WebLogic Application Server.
* Used Hibernate for mapping the Object-oriented model of Java with Oracle.
* Involved in writing SQL, Stored procedures and PL/SQL rebuilding the application for Oracle database end.
* Developed HTML, JavaScript and Perl Scripts for UNIX platform deployment.
* Used ANT and Maven for compilation and building JAR, WAR and EAR files and doing unit testing using Junit.

Environment: Java, J2EE, JSP, Servlet, Struts, HTML, CSS, XML, JavaScript, AJAX, XML, Hibernate, Spring, Web Services.

**Education**:

B.S., University of Washington, Seattle, WA