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Summary

- Over 5+ years' experience as a full stack developer and production support, expert level experience in all phases of Software Development Life Cycle (Analysis, Design, Development, Implementation, Testing and Debugging) of Object Oriented Console and Web Applications with Java/J2EE.
- Expertise in designing and developing applications with J2EE technologies such as JSP, Servlets, Spring, Service Oriented Architecture (SOA), Simple Object Access Protocol (SOAP) and Restful Web Services, Enterprise JAVA Beans, XML, and JDBC.
- Experienced in developing Web based Distributed and Front End applications in a three-tier architecture using Java, J2EE, HTML5, JavaScript, JQuery, JavaBeans, Angular JS, Bootstrap2, Ajax, JSP, Servlets, JSF, CSS3, NodeJS (Express), REST Api, REACT and mongodb.
- Extensive experience in design and development of J2EE applications using Core Java (JDK 1.6,1.7,1.8), Java Collections, Multithreading, Transaction Management, JDBC, Servlets, JSP, EJB, AJAX, JSTL, XML, Web Services and other open source frameworks and APIs.
- Proficient in working with Spring Framework 4.0 and spring MVC and Spring Boot (Dependency Injection, Data Access Objects, and MVC Framework)
- Proficient in using XML Suite of technologies like XML, XML schemas and XML parsing.
- Expertise in Data Base Programming, Create Data Models, Writing Queries, Stored Procedures, Functions, Debug and Optimize Queries, Create Views and Triggers with RDBMS like Oracle DB2, MySQL, PL SQL, SQL Server Express 2012, 2015.
- Experience in deploying, configuring and administering with Apache Tomcat (6.5, 7.0).
- Expertise in developing enterprise applications using Framework Technologies such as, Spring MVC, DAO, JDBC and Web services (Soap, WSDL and Restful API).
- Extensive Experience in Writing Test cases, Test & Behaviour driven development and debugging with frameworks Junit, Jasmine, and Karma
- Experience build frameworks and pre-compilers like bower (npm), SASS and Stylus for CSS
- Experience in Writing Test Cases and debugging, test driven Development with JUNIT and loggers using Log4j.
- Extensive development experience on Eclipse (JUNO, Kepler), Atom.io, and Visual developer IDE for debugging and using java and .Net coding standards.
- Experienced in performing Functional Testing, Backend Testing, Regression Testing, System Testing, Acceptance Testing and Integration Testing. Involved in writing JUnit test cases and System Test Cases.
- Involved in both Waterfall based approach and Agile/SCRUM methodologies for development.
- Hands on Experience with version control tools like SVN and GIT and CMS Servers.
- Hands on experience with server management tools and scripting tools (Git Bash , CMD prompt and linux power shell)

Technical Skills

Programming Languages	: JAVA/J2EE, Java Script, TypeScript, C#
Java script Frameworks	: node.js (Express), React.js, AngularJS
Front End Technologies	: HTML5, CSS (Bootstrap, CSS Grid, W3.CSS), JQuery, AJAX
Web Services	: REST Api, RESTful Web Services, JSON, XML
Relational & No SQL DB	: SQL Server, Mongo DB (mongoose), Oracle DB2 (10g,11g), MS Access
Frameworks	: Spring MVC, JSP Servlets, JavaBeans(EJB), SOA, SOAP, Agile, .Net MVC5
Editors	: Eclipse, WordPress, Atom.io, Sublime Text
Build Tools	: Gulp, Grunt, Bower (npm), Web pack, Apache Tomcat (6.0,7.0)

Version Control	: SVN, GitHub, Content Management System (CMS)
Testing Frameworks	: Jasmine, Karma, Junit, Postman (REST Api)
Deployment Tools	: GIT Bash, windows CMD, FTP (hostgator), FlightPlan
Operating Systems	: Microsoft Windows, Linux
Other Tools	: MATLAB, MS Visio 2013, Office'13 Tools, JDEdwards, Buy Speed, SharePoint 2013

Professional Experience

Application Developer
Testing Services
University of Houston
Oct'16 –May'17

Description:
University Testing Services: Web application designed for Admin and regular user access. Students / faculty log in to Testing services requesting or enrolling a test. Every test and user information will be handled through Admin module. All the services provided by the Testing services were defined at USSC home page.

Responsibilities
- Developed a New Responsive Website for Testing Services, restructuring the old code from .Net 3 to .Net 5and from html to Html 5 and CSS 3 (will be deployed in FALL 2017) while supporting and maintaining old website
- Developed applications and batch processes for automatic update of database in C# .NET 5
- Reprogram C# applications into JAVA 8 for inter University use.
- Developed RESTful micro services in Java for university inter department data communication.
- Developed Rest Api end points with mongoose and node (express, bower) deployed on FTP server.
- Software applications were developed in Java with Eclipse Kepler and web services with Servlet API
- Web services developed with REST API were deployed though Tomcat Server.
- C# based applications developed in Visual developer with Asp.Net framework were deployed with MS Azure
- Content Management and Website Maintenance in Word Press

Environment: Java JDK1.8, HTML5, CSS3, Bootstrap3, JSP, JSON, XML, Log4j, Tomcat, Log4J, Eclipse, SVN, SQL Server Express 2015, Microsoft Visual Developer (2010, 2015, 2017 RC), NodeJs, Bower, Jasmine, Karma, Rest Api, Postman, word press

Webmaster
EAS Department ,University of Houston, Houston –TX
Mar'16 – Oct'16

Description:
Earth Sciences Department comes under Natural Sciences and Mathematics Department. EAS Team is led by Dr.Paul Mann specifically meant to be a directory people could look for various activities and updates in and around the department.

Responsibilities
- Maintain, Update web pages for department and faculty working with CMS Server
- Regular updates and maintenance of faculty websites in word press
- Update the Hall way monitors with new News and Announcements for display and deploy over FTP
- Resolve web related tickets all over EAS department
- Update the data base with new contributions from students and staff
- Add / Remove faculty or students from the department website
- All web pages and data is maintained through Content Management System Server.
- Web services developed in client side is submitted to the CMS server
- Few of the web services and functions were developed in PHP Script specific to web pages
- Professor and student publications data is maintained in Oracle data base with PL SQL Queries

Environment: PHP, HTML5, CSS3, CMS Server, Oracle 11g, MS Office Tools, FTP, word press

Information Technology Intern
Port of Houston Authority, Houston –TX
May'16 – Aug'16

Responsibilities
- Worked with Web Development, ERP Tools, production support and SharePoint
- Developed a Web application for driver complaint register in visual developer 2010.
- Worked with Configuration and settings, Updating data with JDEdwards Enterprise and BuySpeed
- Worked with Application and data management in SharePoint 2013
- Resolved tickets and issues related to IT, Application development and documentation around 3 POHA locations

Environment: Visual Developer 2010, Visual Studio, JDEdwards, BuySpeed, SharePoint(2010, 2013), HTML5, CSS3, SQL Server Express

Tata Consultancy Services,
Systems Engineer
Pune – India
Dec'13 – Jul'15

Description:
Beacon Entitlement System: A role based web application designed for internal use for Baker Hughes employees. This system use to create or manage a well, give role based access to a user, check the notifications in the inbuilt email module and to create and manage the entitlements.

Responsibilities
- One of the core Full Stack Java Developers in the Team since the discussion and requirement phase of the project, Beacon Entitlement System for Baker Hughes and involved in design and development.
- Introduced and implemented JSON, Angular, AJAX and JQWidgets in the project
- Developed one of the core modules in the system (Request Module) which helps a user to request an access to a well / entitlement or to create a well there by initiating the notification process and other modules
- Implemented role based functionality and role based accesses in the system
- Developed different UI for other vendor users who have access to Beacon Entitlements
- Implemented Lazy Loading feature customizing JQWidgets backend code writing our own Custom JS
- Worked with restructuring and code clean up before deployment.
- Worked as an acting lead helping with the Dev and Testing team during deployment, client calls and requirement discussion and freeze
- Worked with Project Lead and Manager Coordinating with client and Testing team to mark validity of the bugs and to design best possible functionalities
- Project Baker Hughes developed and delivered in Eclipse JUNO and later Eclipse Keplar
- Used HTTP Servlet API protocol for data transfer and Ajax, JQuery and JavaScript to send web data in JSON format
- Implemented Enterprise Java Beans (EJB) for Abstraction in Backend as well as to create JSON Data to display on Web Pages.
- Dynamic Queries and stored procedures were handled through Oracle JDBC connections based on service call to perform CRUD operation
- Methods and functionalities achieved through Test driven development using JUNIT in Eclipse.
- Used Adobe Creative Suite Photoshop to design mockups before client acceptance and requirement freeze.

Environment: Java JDK(1.6,1.7), EJB3, Servlet 2, HTML3, CSS2, JSP, JSON, JQuery, Ajax, XML, Log4j, Apache Tomcat (6.5, 7.0), Log4J, Eclipse (Kepler, Juno), SOA, SOAP, REST, SVN, SQL Server Express 2015, Agile

Tata Consultancy Services,
Assistant Systems Engineer
Pune – India
Jun'12 – Nov'13

Description:
Orders & Ancillaries: This is a part of an internal application used by British Airways employees to view and manage the orders placed by the customers.

Responsibilities
- Worked with QIK Tool in developing internal web application for Orders & Ancillaries Team in *British Airways*
- Worked for Front-end, Back-end and Database queries for the project.
- One of the 3 members to work with restructuring 200 script files to make 1 common script to run across the whole application
- Used standard PL/SQL queries for scripting in Qik Tool.
- Project British Airways is developed with Qik Tool which comprises of Front end and backed Development on a single phase
- Test Driven development is achieved with Code Sharing adjusting Agile Scrums User stories.
- Data Handling is done through PL SQL

Environment: QIK, PL SQL, Water Fall (later Agile)

Academic and Technical Projects (GitHub)

User Management System: A single page responsive web app developed to consume REST Api from Egen solutions team to perform CRUD on mongo DB client. Developed with Angular 2 and node.js with HTML5, Bootstrap, Bower (npm) with testing frameworks Jasmine and Karma built on Gulp

ECommerce Example App: Single page web responsive app developed to demonstrate REST Api end point creation and consumption with node js (express), mongoose, bower and Angular 1.5. End point can support GET, POST, PUT, Update and Delete operations on mongo. User can view, edit, delete or can navigate to buy the book through the application.

UML Data Fetch: A test driven console application developed in JAVA in Eclipse Keplar implementing Junit which aims at notifying the user once the stock value reaches a preset value. The xml response from the URL received timely is compared to user presets to notify the user and then exits.

Tic-Tac-Toe: Developed in JAVA with test driven programming with Junit in Eclipse Keplar this games houses 3 difficulty levels. The game starts with user selecting the level and making the first move followed by the winner making the first move for next game. User can continue the game or can exit at any point of time. Multi-threading achieved to make multiple users play the game with logging in their details from the same processor.

Cache Characteristics Using Simple Scalar: Developed in Linux environment to run simple scalar and determine the characteristics of all the 10 processors. I introduced a method to our class solving the problem in the project saving 36 hours each. (total 400 instructions * 5 minutes each + set up time – if run individually), took 36 minutes with my method to complete the whole simulations as well as graphical representation. I used bash script to run all the commands and draw graphs from the results. gcc processor is used in computers primarily used for programming.

8 Stage MIPS Simulator: Developed in JAVA 7 with Eclipse JUNO, this 8 stage MIPS simulator helps in understanding the predict taken, predict not taken and flushing concepts of cache. Functionalities were divided into different threads making the processing faster

Minimal Realization of Transfer Function of Power Plant: Designed and Programmed in Matlab, the objective is to minimize the order in a Linear Multivariable Control System. The final model can potentially reduce a 100-order system (100 dependencies / 100 * 100 matrix) to as low as 6th order that could exhibit all parent properties to study.

Education
MS in Computers and Systems Engineering, **University of Houston Main Campus,** Houston, TX GPA: 3.5/4 **May'17**
B.E in Electrical & Electronics Engineering, **Koneru Lakshmaiah College of Engineering** Andhra Pradesh, India
GPA: 3.9/4 **Apr'12**