**MANOJ BOMPADA**

Software Developer

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**EXPERIENCE SUMMARY:**

* Two years of experience in IT Software Development and Production Support.
* Experience in various stages of Software Development Lifecycle (SDLC) such as gathering requirements, analysis, conceptual and detail design, development, verification and testing.
* Strong working experience in SDLC methodologies such as Agile, Waterfall, Test Driven Development Methodologies (TDD).
* Good working knowledge in various domains such as Banking &Finance, Insurance.
* Strong knowledge and experience in Object Oriented programming concepts and development using Java
* Analyzed and designed Use Case diagrams, Sequence diagrams and Class diagrams using open source tools like Draw.io
* Experience in designing and developing web-apps using HTML5/CSS3, Java Script, JQuery, Angular JS, Node JS, MVC architecture, JSP/Servlets, Spring MVC, Hibernate.
* Knowledge in SOAP and RESTful API web-services.
* Good knowledge in version control system tool Git, Github.
* Ability to work both independently and in a team.
* Good communication skills, leadership and interpersonal skills, self-motivated, pro-active learner and team player.

**EDUCATION**

**University of North Carolina at Charlotte Charlotte, NC May 2016**

* Masters in Computer Science. GPA: 3.8/4.0
* Coursework: Algorithms and Data Structures, Web Technologies, Object Oriented Design, Database Systems,

Data Mining, Visual Analytics, Big Data Analytics and Statistics, Intelligent Systems, Mobile Application and Development.

**GMR Institute of Technology Rajam, Srikakulam, India April 2012**

* Bachelors of Technology in Electronics and Communication with 77.5%.
* Course work: Programming Languages like C, Java, Data Structures, Operating Systems and Computer Networks.

**TECHNICAL SKILLS**

**Operating Systems :** Mainframes, Windows

**Programming/Languages :** Java (Proficient), C, SQL (Proficient), Android (Proficient), Python, Pl/SQL, COBOL, JCL, CICS,

**Web Technologies :** HTML5/CSS3 (Proficient), JavaScript (Proficient), jQuery, Servlet, JSP, RESTful Web

Services, Spring MVC, hibernate, XML, JSON, Node.js with Express Framework, Angular.js

PhoneGap (Framework 7)

**DBMS :** IBM DB2, Oracle, MySQL, MongoDB, SQLite

**Tools and Utilities :** Maven, Tableau, Github, Weka, Jigsaw, Genny-Motions, Putty, SAS Enterprise Guide, File-Aid,

Endeavour, Photoshop

**IDE :** Eclipse, Android Studio, Cloud9, SQL Workbench

**WORK EXPERIENCE**

**Software Engineer IGATE Global Solutions, Hyderabad (India) Nov 2012 – May 2013 Project:** Investment Systems (5G application), Royal Bank of Canada

* Project mainly involved in enhancement and support for the application on Mainframes using COBOL, JCL which processes huge amount of daily client data.
* Created and scheduled ad-hoc reports for customers using FOCUS tool. Retrieved/loaded millions of records in the process in a proper format used for business analysis.
* Successfully identified repetitive manual process and developed scripts to automate the process which saved a lot of time. Won accolades from project manager and client as a good team player.
* Involved in different phases of software development like requirement analysis, design, development and support.

**Senior Software Engineer IGATE Global Solutions, Hyderabad (India) May 2013 – Dec 2014 Project:** GLND, UK

**Environment :**           Core Java, Servlet, JSP, JavaScript, JDBC

**Framework** **:**           Spring MVC

* Interacting onsite coordinator on daily basis for discussing day-to-day project related activities.
* Creating the Technical Design Documents as per the requirement specification.
* Creating the UI screens and business code as per the specification.
* Unit testing of all the requirements and capturing all the details in UTP and UTR.
* Support during the QA, UAT and post production deployment.

**ACADEMIC PROJECTS**

* **Android Mobile Applications: April 2016**

E-ticket Reservation System, IMDB Mobile app, E-news Mobile app, Weather app, Contacts entry app, Stay in Touch app, Google Maps and places app. (Java, Android Studio, Genny-motions emulator, SQLite, Cordova library, Framework7, Firebase)

**Key Features and Concepts:** Dealing with different widgets, Event-handling, Intent-Messaging, Multi-threading, HTTP, XML and JSON Parsing, Handling API’s, Hybrid Apps using Cordova and framework7, Managing fragments, Google play services.

* **Hewlett Packard’s Patents Big Data Analysis: November 2015**

This Big data project involved in analyzing the patent data of company “Hewlett Packard” and finally suggesting the improvement areas to company in order to increase their revenue. The processes involved are data collection through web crawling, word cloud and topic modelling for segment categorization, regression modelling for market value - patent relation, other visualizations. (Java, Python, Putty, SAS Enterprise guide, Tableau)

* **Robot Path Planning in a Polygonal Obstacle Map: November 2015**

Developed a project for available paths of a robot through visibility graph and final efficient path using A\* state space search algorithm. (Java, Eclipse)

* **Ease of Doing Business: June 2015**

Visualized top 50 countries for doing business based on different aspects. Used document object model, Cross filter API, D3.js (JavaScript Library).

* **North Carolina Shark Attack Analysis: August 2015**

This project is aimed at understanding, analyzing and predicting shark attacks in NC based on different reasons such as moon phases, tourist population, salinity, ocean currents etc. using various algorithms like J48, Apriori, EM, and Simple K means with the help of WEKA, Jigsaw tools.

* **Bike Rental System: May 2015**

This project involved in building an efficient system for a bike rental business. It provides the end user, a platform to book the bikes online and also help the company to manage and rent bikes efficiently. (MVC, Agile methodologies, Java, MySQL, HTML/CSS, JavaScript, Open Source Tools, GIT)

* **Online Books Store:** **May 2015**

Developed an online book store system with HTML/CSS and SQL Oracle 11g.