**Bhavesh Mahendra Sanghvi**



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**SUMMARY**

Software Engineer for almost four years, involved in developing enterprise applications using various technologies. **Oracle Certified Professional, in Java Programming (OCPJP)**. **Core Java, Collections framework, Multithreading** and **Problem solving** are my strengths**.**  Extensively used frontend technologies like **AngularJS** and **JavaScript**. High motivation and curiosity drive me to ensure delivery of production grade solutions. Have been part of three enterprise applications which are currently in production.

**EDUCATION**

**Master’s in Computer Science, Washington State University, Pullman Expected May 2019**

Relevant Coursework: Advanced Algorithms, Bigdata, Computational Genomics, Machine Learning, Data Science.

**Bachelor’s in Computer Engineering, Mumbai Universit*y* July 2015**

Coursework: Java Programming, Data structures, Algorithms, Databases, Web Development, Software Design and Architecture.

**TECHNICAL SKILLS**

* Programming Languages: **Java8**, Python, PHP, C++ (basics)
* Frameworks: **Kafka**, REST, **Spring**, Hibernate, JDBC, JSP-Servlet
* Web and Application servers: Apache Tomcat, Oracle Weblogic, IBM Websphere.
* Database: Oracle database, IBM DB2, MySQL, Oracle SQL, sPostgreSQL.
* Front-end technology: HTML5, CSS3, JavaScript, **ReactJS**, **AngularJS.**
* Development tools: GIT, Maven, IDE’s (IntelliJ, Eclipse), JIRA, Swagger, Junit (Mockito framework)

**EXPERIENCE**

**SOFTWARE DEVELOPER WSU Information Technology Services, Pullman, WA. Sep 2017 – Current**

* Developed “SUPERVISOR MANAGEMENT” application using technologies like MuleSoft, **Java**, Datatables framework. Implemented complex requirements like JWT token management, Restful webservices.
* Developed “FILE HANDLER” application using technologies like MuleSoft, **Java**. Used technologies like SFTP, FileZilla.
* Developed small mobile applications related to campus requirements using AEK, **ReactJS**.
* Developed Several flows for data manipulation from one technology to another using **Groovy**.

**SOFTWARE ENGINEER L&T Infotech, Pune, India Jul 2015 – Aug 2017**

* Developed complex requirements like MTA (Mobile Token Authentication), Feeding and Retrieving data from Tridion Content Management System, **RESTful web services** using **Java** and Jersey framework, front-end Integration of Web services using **AngularJS** and JavaScript.
* My role was to handle development as well as deployment of the product. Used **GIT, Maven** and **Jenkins** as tools and maintained dev and test environments using **Oracle WebLogic**.
* Worked in agile environment, have good knowledge of **Scrum**, **Jira**, **Confluence**.

**PROJECTS**

* **Book Recommendation System**:Implemented a book recommendation system based on co-purchasing pattern analysis using associations obtained from FP growth algorithm. Used python, Keras, **Springboot**.
* **Credit Card Fraud Detection**: Performed Data Exploration, Exploratory Data analysis, Data transformation, Data visualization and applied Machine learning and Deep learning algorithms to create models to detect fraud in credit card transactions.
* **Amazon Co-purchasing Pattern Analysis**:Analyzed Amazon co-purchased dataset, converted it to a directed graph G (V, E), where nodes are items or products in an online marketplace and directed edges denote the co-purchase relation, analyzed the co-purchase patterns.
* **Online Banking Application**:Implemented in **Java**, **JSP-Servlet**, made extensive use of design patterns like **Singleton** pattern, DAO pattern. Implemented requirements like Fund Transfer, Transaction summary and Session management.
* **Genome Sequence Alignment**:Implemented Needleman-Wunsch and Smith-Waterman algorithms for global and local alignment of genome sequences in **Java**. These algorithms are implemented using **Dynamic programming**. Tested on real world human genome sequence.