Bhavesh Mahendra Sanghvi

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SUMMARY

Software Engineer for 4 years, developed 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**. I also have knowledge of machine learning and data science. High motivation and curiosity drive me to ensure delivery of production grade solutions. Have been part of 3 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 University **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, J2EE
- Web and Application servers: Apache Tomcat, Oracle WebLogic, IBM WebSphere.
- Database: Oracle database, IBM DB2, MySQL, Oracle Database, PostgreSQL.
- Front-end technology: HTML5, CSS3, JavaScript, **ReactJS**, **AngularJS.**
- Tools: GIT, Maven, IDE's (IntelliJ, Eclipse), JIRA, Swagger, Junit (Mockito framework), SONAR, Jenkins

EXPERIENCE

Software Developer | Enterprise Systems, Pullman, WA. **Sep 2017 – Current**

- Developed "SUPERVISOR MANAGEMENT" application using technologies like MuleSoft, **Java**, Data tables 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, XSLT**.

Software Engineer | L&T Infotech, India **Jul 2015 – Aug 2017**

- Worked as a full stack developer for clientele **Nordea Life Assurance**. Extensively took part in requirement gathering to making them a reality with active involvement in all domains of developments from beginning.
- Developed complex requirements like 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. Handled every requirement that came my way and ensured successful delivery before time.
- 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 among a team of 10, 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) and built a recommendation system using 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.