

PARIKSHIT SUNIL DESHMUKH

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SUMMARY

Software Developer (ORACLE Certified JAVA Professional) with 3 years and 6 months of experience in all phases of software development with Agile Methodology. Proficient at development in Java/ J2EE, SQL, REST API, JavaScript, Python and multiple technologies including Maven, Git, Machine Learning (TensorFlow, Keras, Deep Learning), Data Mining and Data Analysis.

EDUCATION

University at Buffalo, State University of New York

Aug 2017-Feb 2019

- MS in Computer Science & Engineering

GPA: 3.6/4.0

Courses: Analysis of Algorithms, Machine Learning, Data Mining, Computer Security, Data Intensive Computing (Big Data)

Nagpur University, India

July 2009 – Aug 2013

- Bachelors of Engineering

TECHNICAL SKILLS

- Languages** JAVA (Oracle Certified JAVA Professional 7), MySQL, Python, TensorFlow, R
- Databases** MySQL, Hibernate ORM, MS SQL Server, PostgreSQL, PL/SQL, JDBC, Amazon Web Services S3 and EC2 (cloud)
- Web** Bootstrap, JavaScript, JQuery, REST Web Services API, HTML, CSS, PHP
- Tools** Git, Maven, IntelliJ Idea, Eclipse, Docker, R Studio, Pycharm, PGAdmin, Visual studio
- OS** Unix, Linux, Mac OS
- Other** IBM WebSphere Application Server, Machine Learning, Data Mining, JIRA, Scrum, Agile

WORK EXPERIENCE (Software Developer)

Cognizant Technology Solutions

Jan 2014 – Oct 2016

- Architected and developed insurance applications for Liberty Mutual Insurance, USA in **JAVA, Struts2 MVC, JavaScript** and **MySQL** for integrating and managing the insured and potential customers' data in MySQL database. Used and configured IBM websphere application server for managing JDBC connections and thread pool.
- Wrote complex SQL queries for performing various CRUD operations, And, functions and procedures in **PL/SQL** for integrating applications with databases like MySQL,DB2, MS SQL Server using **JDBC** API. Wrote entity-wise POJO classes.
- Utilized **JavaScript** and **JQuery** for validating the input given to the user interface and **JUnit** for testing functionalities of module
- Consumed and wrote **RESTful** web-services API using JAX-RS (Jersey) for providing the data to Underwriting vendors
- In-depth Knowledge of Core Java focusing on concepts like Multithreading, Exception Handling, File handling, I/O, Generics, Data structures, Collections, Garbage Collection with strong OO fundamentals.
- Automated Geographic refresh monthly process and optimized the PL/SQL procedure's run time by **20%**
- Migrated the huddle meeting's task tracker board from Ms Excel to web-application which saved **30- 40 %** time for huddle meetings
- Followed **Agile** Methodology and used JIRA as Scrum management tool. Supervised a team of 3 new hires.
- Remedy **Ticket Classification (Python, Multinomial Bayesian Network, TF-IDF)**: Built a Python module for a remedy system to intuitively classify the issue tickets raised by the users and allocate it to the respective operator handling that particular category of issues, which reduced manual efforts by **30-40%**.

The Advisory Board Company

Oct 2016 – Jun 2017

- Designed algorithms and configurations in JAVA for processing the member (patients) data based on the business requirement and loading it into PostgreSQL database; And, also feeding it to the front end for Care Managers to manage the patient's data
- Automated the process of Quality Assurance Workbook generation by processing the incoming data, filtering it and populating the QA excel workbook, and sending mail with summary to the business analysts (**+40% efficient**) using **Maven, JAVA and SQL**

PROJECTS

- Knowledge Transition for new employee (JAVA, Bootstrap)**: Architected and developed a module in STRUTS2 and Bootstrap framework for on-boarding of the new employees in project which reduced human efforts by **40-50%**.
- Social network Application (JAVA, REST API)**: Developed a small scale social networking application using RESTful web services API with JAX-RS using Jersey
- Secret Santa2** using Javascript for assigning secret santa among two people; **To Do list** web application using Javascript and html; **Wiki on the go**: wikipedia cloned version with runtime search feature.
- Predicting Airlines delay and the best airport to fly out from (Python, AWS S3)**:
 - performed EDA and built predictive models on the pickled datasets using Naive Bayes classifier and Logistic Regression on top of Gaussian Basis functions and validated using Early Stopping method
- Learning to rank on query-URL pair for Information Retrieval (Python)**:
 - Performed predictive analysis on Microsoft LETOR 4.0 dataset using Closed form solution and Stochastic Gradient Descent algorithms to gain the minimum RMSE of 0.5.
 - Incorporated Gaussian Basis function to deal with nonlinear data and, Early Stopping for the most optimal solution.
- Digit classification (Python, CNN, Tensorflow)**: Built and trained a logistic regression and CNN model for classifying handwritten digits and achieved accuracy of **99% using CNN** model.
- Messenger (Python)**: Developed a web-based messaging application using Python and Flask; deployed on Docker.