

Jigar Shah

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EDUCATION

Northeastern University, Boston, MA

August 2016

Candidate for Master of Science in Information Systems

GPA : 3.57

Coursework: Big Data Systems, Parallel Processing, Web Tools and Development, Natural Language Processing

University of Mumbai, Maharashtra, India

May 2014

Bachelor of Engineering in Computer Engineering

First-Class

Coursework: Distributed Computing, Software Architecture, Program Structures, Operating Systems

SKILLS

Languages: Java, JavaScript, SQL, HTML, Objective-C, Python(Beginner)

Framework/Platform: Hadoop, Storm, Spark, Spring MVC, Hibernate, Swings, RESTful Web Services, Unix/Linux

Tools/Technologies: AWS ec2, Git, MongoDB, ElasticSearch, JMS, Maven, Jenkins, Tomcat, Junit

Functional Skills: Agile and Scrum Methodology, Software Development Lifecycle, Waterfall model

PROFESSIONAL EXPERIENCE

Northeastern University

Sept 2015 – Present

Teaching Assistant: Program Structures and Algorithms

- Conduct lab sessions, design assignments, help students with questions, grade assignments for 35 students

Wayfair LLC, Boston, MA

Jul 2015 – Dec 2015

Software Engineer

- Developed part of existing order processing application using Big Data framework, Apache Storm in Java
- Fine-tuned the number of workers/executors to create low latency and fast processing scalable model
- Performed unit testing for separate modules using Junit and Mockito framework
- Consumed JSON data from Rabbit MQ and performed exception handling for all edge cases
- Conceptualized a centralized logging framework to apply ELK(Elastic-Logstash-Kibana) stack
- Configured Jenkins build and deploy jobs using shell script
- Integrated storm with Graphite monitoring system to visualize key business metrics using Grafana/Storm UI

ComPrompt Solutions, Mumbai, India

Jun 2014 – Aug 2014

Web Developer

- Co-developed full stack dynamic web applications using Spring MVC software architecture
- Securely established JDBC connection and managed form data and transactions to prevent SQL injection
- Tested cross browser compatibility and added unit tests to ensure that modules worked as intended

PROJECT EXPERIENCE

NYC Taxi Data Analysis

Apr 2016 – May 2016

- Developed live time decision making application for taxi drivers to generate maximum profit on multiple factors
- **Data cleaning** – Hadoop MapReduce, **Machine Learning** – Mahout Recommendation API, **Querying** – Hive, **Data storage** – MongoDB, **Application** – Spring MVC framework, **Visualization** – Tableau

Information Retrieval System

Mar 2015–May 2015

- Built an algorithm in Java to perform search on given unstructured text files using vector-space model
- Improved insertion and retrieval complexity and provided recommendation based on previous searches

Coffee Shop Simulation

Nov 2015–Dec 2015

- Non-blocking concurrent program to simulate customers, cooks and machines as individual threads using Java

Hotel Booking website

Mar 2015–May 2015

- Integrated Expedia API to develop a hotel booking website using Spring MVC framework and Hibernate ORM
- Created an AJAX based CRUD table for the admin to perform single-click back-end operations on data

Healthy Homes (Smart and Healthy cities)

Aug 2014–Dec 2014

- Devised a risk-assessment rating in Java as a unique IoT concept
- Incorporated an Ecosystem Logical Model with a Singleton design pattern using Object Oriented approach