Sagar Vijay Oza

Boston, MA 02215 | 650.267.3685 | oza.s@husky.neu.edu **|** www.linkedin.com/in/ozasagarv

EDUCATION:

Northeastern University, Boston, MA   **Aug 2018**

Master of Science in Information Systems

Relevant Courses: Application Engineering and Development, Programming Data Structures and Algorithms, Web Development Tools and Methods, Engineering Big Data Systems, Network Structures & Cloud Computing, Web Design and User Experience, Engineering Cybersecure Software Systems

University of Mumbai, Mumbai, India   **Jun 2014**

Bachelor of Engineering in Information Technology

Relevant Courses: Data Structures and Algorithms, Web & Mobile Programming, Computer Programming in Java & C++, Data Mining & Business Intelligence, Object Oriented Analysis & Designs, Software Project Management

TECHNICAL SKILLS:

- Programming Languages: Java, C#, NodeJS, Python
- Web Technologies: HTML5, CSS3, JavaScript, AngularJS, ReactJS, Redux, Servlet, JSP, AJAX, JQuery, JSON, Bootstrap, RESTful & SOAP web services, XML, JSTL, Swagger API
- Frameworks: Spring MVC, .NET, Spring Security & Integration, Hibernate, MapReduce, Hadoop
- Database: MySQL, Oracle, SQL Server, MongoDB, Cassandra, Pig, Spark, Hive, Neo4J
- Tools: Eclipse IDE, SQL Developer, Visual Studio, Apache Tomcat, IIS, WebSphere Server
- Version Tools: GIT, BitBucket, SourceTree, SVN, Maven
- Cloud Technologies: Microsoft Azure, AWS, GCP

PROFESSIONAL EXPERIENCE:

Graduate Teaching Assistant, Boston (*Northeastern University*)   **Jan 2018 – April 2018**

- Manage, prepare and conduct lab sessions for graduate students
- Take TA sessions to explain Servlets, Spring MVC, Hibernate and web development tools to students

Avigilon Corporation, Boston (*Software Engineer Co-op, Cloud Services*)   **May 2017 – Dec 2017**

- Developed camera security solutions software using .NET framework & app services of Microsoft Azure technologies
- Developed public REST APIs to be accessed by the web & mobile client hosted over Microsoft Azure Cloud
- Implemented SignalR to push content to connected clients for adding real-time web functionality to applications
- Implemented 'Stream Analytics jobs' for IoT application; determining the health of devices & 10,000+ camera events
- Involved in writing shell script to automate the deployment of Azure Stream Jobs and web applications

Mobicule Technologies Pvt. Ltd., Mumbai (*Software Developer*)   **Dec 2014 - Jul 2016**

- Developed multiple banking, forex and sales web and mobile applications using Hibernate, Spring MVC, Security & Integration framework, AngularJS on AWS EC2 to consume 3rd party SOAP, SAP & RESTful web services
- Implemented Marker Cluster API to cluster 5.5 million retailers' data based on territory & role hierarchy
- Developed a social media application for users to like, comment and share photos, videos and status updates
- Implemented Google Cloud Messaging & Apple Push Notification Service to send real-time notifications to 50,000 users
- Installed & configured SSL certificate on the Tomcat server which enhanced the cyber security of servers

ACADEMIC EXPERIENCE:

Northeastern University, Boston, MA

Cloud DevOps Engineer (AWS, GCP, MS Azure, Shell scripting)   **Jan 2018 – April 2018**

- Developed shell scripts to automate the build & deployment of web applications on cloud architecture

H1B Visa Petition Analysis (Hadoop, Map-Reduce, Pig, Hive)   **May 2017 - Aug 2017**

- Analyzed H1B Visa Petition data from 2011 to 2016 to get key insights about H1B process

OS Memory Management Allocation (Java)   **Jan 2017 - Apr 2017**

- Built an algorithm for simulating the process of memory allocation & generated analytical report for time complexity

Rent-A-Car (Spring MVC, Hibernate, HTML5, Bootstrap, AngularJS, Google MarkerClusterer API)   **Jan 2017 - Apr 2017**

- Developed a web application where users can rent, trade & track the real-time locations of cars

Precision Agriculture (Java Swing)   **Sep 2016 - Dec 2016**
- Designed & developed an ecosystem model to track real time information of farms and its analytical reports

Room Scheduler (HTML5, CSS3, Bootstrap, JavaScript, AngularJS)   **Sep 2016 - Dec 2016**
- Designed mobile first & responsive website for Northeastern University which enhanced the UX for users to book a room