**Khushbu Parekh**

Boston, MA 02120 | khushbuprkh@gmail.com | 857-294-7019 | [www.linkedin.com/in/khushbuparekh](file:///C:\Users\khushbu\Desktop\www.linkedin.com\in\khushbuparekh)

**EDUCATION** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Northeastern University**

***Master of Science - Information Systems***

**Boston, MA**

**August 2017**

Relevant Courses: Application Development Engineering, Web Design/UX Engineering, Web Development Tools and Methods, Data Structures and Algorithms, ADBMS- Big Data, Advances in Big Data Design and Engineering

**NMIMS University**

***Bachelor of Technology - Information Technology***

**Mumbai, India**

**May 2013**

Relevant Courses: Programming Languages, Algorithms, Advanced Database Management System, Software Engineering

**TECHNICAL SKILLS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Languages: C, C++, Java, Python, VB.Net, C#

Web Technologies: J2EE, JSP, AngularJS, Node.js, JavaScript, jQuery, AJAX, JSON, XML, Bootstrap, HTML, CSS

Tools and IDE: Eclipse, STS, MySQL Workbench, TFS, PTC, Visual Studio, NetBeans, Visio, StarUML

Database: MySQL, SQL server, Oracle, Redis, MongoDB, PostgreSQL, Cassandra, Neo4j

Big Data Technologies: Hadoop, MapReduce, Pig, Hive, HBase, Mahout

Data Analytics and BI tools: Kibana, Elastic Search, Tableau, QlickView, QlikSense, Microsoft PowerPivot, Microsoft PowerBI

Frameworks: Spring Boot, Hibernate ORM, Java Swing, WCF, WPF, LINQ

Cloud Services: AWS, Azure, SaltStack

**PROFESSIONAL EXPERIENCE**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Micro Systems Engineering**

***Software Development Co-op***

**Lake Oswego, OR**

**July 2016 – December 2016**

* Enhanced an application built using WPF technology by consolidating existing functionalities into a single page.
* Developed a functionality to generate customized queries and retrieved reports by building complex stored procedures.
* Conducted meetings for requirement gathering, analyzed them and created a document for the finalized requirements.
* Created a software development plan document and software design document for projects.
* Designed a database architecture and developed a code to enable communication between client and server using WCF.
* Presented and demonstrated work done on the project to over 25 interns and 15 project leads.

**Accenture Services Private Ltd.**

**Mumbai, India**

***Software Engineering Analyst***

**December 2014 – July 2015**

* Developed, tested and deployed a website utilizing VB.net and SQL.
* Gathered requirements from the clients and performed Impact Analysis on those requirements.
* Identified defects by scrutinising the website in the assembly testing, product testing and user acceptance testing phase.
* Implemented and introduced AJAX and LINQ, fixed defects at different testing phases of the project.
* Created stored procedures for incorporating reporting features, created Jobs on Control-M for timely execution.
* Trained 10 team members on technical and functional approaches of the project.

***Associate Software Engineer***

**May 2013 – November 2014**

* Led and managed a team of 5 members within the first 8 months of joining Accenture.
* Improved the look and feel of the project using HTML and incorporated validations using JavaScript.
* Presented new features and demonstrated their functionalities to the clients before its deployment on the Server.
* Prepared test cases, performed testing and provided support to the users who faced any technical/functional issues.

**ACADEMIC PROJECTS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Northeastern University**

***REST API Solution - Healthcare Insurance Company***

**Boston, MA**

**January 2017 – May 2017**

* Designed and developed a big data architecture using Redis as in-memory data structure storage database.
* Created RESTful Web services in Spring Boot to perform CRUD operations on the JSON payload sent through Curl/Postman.
* Implemented OAuth2, authorization framework to obtain limited access to user accounts on an HTTP service.
* Included elastic search to provide different search APIs and Redis Message Queue for queuing JSON input data.

***Airbnb Seattle Dataset Analysis*** **September 2016 – January 2017**

* Developed MapReduce programs using summarization, filtering, join and organizational patterns to perform analysis.
* Created tables and developed queries to perform sentimental analysis on the reviews provided by customers using Hive.
* Performed analysis on the dataset by executing queries on HBase data using Squirrel SQL Client.
* Developed visualizations for the output obtained during the analysis done using MapReduce and HBase using Tableau.

***NEU Board*** **January 2016 – May 2016**

* Developed a learning management site for students and teachers to make the interaction between them easier and faster.
* Created using Spring MVC and Hibernate framework to support JPA in the project.
* Designed the UI using HTML, CSS, Bootstrap and Angular JS to achieve a single page application feature.

***Health Care System*** **September 2015 – January 2016**

* Developed a health care application demonstrating IOT functionality, that funds communication between multiple entities.
* Incorporated email functionality in the project to send reminders to patients and to inform doctors about any emergency.
* Performed predictive analysis on the data fetched using the sensors and demonstrated the results using JFreeCharts.