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Visa Authorization: **H1B**

Marjorie Li

EDUCATION

University of Pennsylvania, Philadelphia, PA(Part-time) **May 2022**
Master of Science Candidate, Computer & Information Technology
Courses: Software Development (Java/Python track), Math of Computer Science, Computer Systems, Data Structures & Software Design
Scholarship: UPenn 2021 Grace Hopper Celebration Scholarship Recipient
New York University, New York, NY **May 2014**
Master of Science, Public Relations & Corporate Communication
Shenzhen University, Shenzhen, China **June 2011**
Bachelor of Science, Banking and Finance

SKILLS

Languages: Java, SQL, Python, HTML/CSS, JavaScript
Development Framework: Django, Hibernate, React JS, .NET
Platform: Oracle DB, MS SQL-Server, Hadoop, Spark, Kafka, Zookeeper, Hive, Pig, Docker, HBase, Cassandra, AWS
Data Visualization: Tableau(Dashboard Development), Visio(Data Flow Chart, UML), Power BI, MS InfoPath

SOFTWARE ENGINEERING PROJECTS

Backend Fullstack Project Twitter **Mar 20201 - Apr 2021**
- Implement Twitter backend system by using **Django**, **MySQL**, **HBase**, **Redis**, and **Memcached**.
- Used push model to fanout news feeds and utilized **Redis** to cache all tweets & feeds.
- Used Redis as Message Queue Broker to deliver asynchronized tasks such as email delivery and feeds fanout.
- Adopted denormalization principle to store the number of comments and count of likes to minimize database queries.
- The whole project contributed over 10000 lines of codes during the two-month project period.

Android Camera App for Blind and Visually Impaired Users **Aug 2019 - Oct 2019**
- Developed an **Android** App by utilizing OCR to assist blind and visually impaired population for test reading challenges.
- Implemented multithreading on Android and HTTP requests by using Runnable to run tasks in the background thread.
- Managed accessibility service by utilize Talkback, Brailleback, switch Access interaction.
- Increased the app practice by tailored precise content description, touch target size, contrast, UI component grouping & ordering.
- Tested end to end user interactions and logged error handling.

Event+: Event Search and Ticket Recommendation **Aug 2019 - Oct 2019**
- Designed an interactive web page utilizing HTML, CSS, JavaScript, and AJAX
- Created Java servlets (events searching, history review, events recommendation, etc.) with RESTful APIs to handle HTTP requests & responses and used Tomcat to provide a web server environment.

WORK EXPERIENCE

Data Engineer, INNOVA CONSULTING SVCS LLC DBA
Project onsite at **NYC HRA-Department of Social Service, New York, NY** **Feb 2017 – May 2020**
- Designed an interactive web page utilizing **HTML**, **CSS**, **JavaScript**, and **AJAX.**
- Created stored procedures, view to deliver reports to commissioner level management on a weekly basis.
- Hosted monthly JAD sessions for requirements settlement form that involves representatives from 12 service centers and managed business process, requirements log, and technical document versions on Dropbox.
- Wrote and executed queries on **SQL Server** production server for client data updates, which serves more than 34,200 users.
- Created stored procedures, view to deliver reports to commissioner level management on a weekly basis.
- Documented and managed ETL (Extract, Transform, Load) processes and data flow diagram-built data libraries and documented data trigger and ERD, updated application settings and constants by using XML and legacy code using Eclipse.
- Built a health kit self-help shopping web application based on Spring MVC to support item search and listing with dependency injection, inversion of control, and REST API
- Utilized Hibernate to provide better support for database operations on the shopping cart.
- Developed a Spring Web Flow to support order processing, including shipping and billing address filling, order review, etc
- Supervised and resolved more than 100 software support tickets per year on IT Support module.

Environment: Agile SDLC, MS Visio, Share Point, SQL Server, Jira, V-Lookups, MS Project, MS office suite, Java, JavaScript, C#

Sr. Business Analyst / ETL Data Analyst, Blue Shield of California **May 2014 - Dec 2015**
- Developed all BRDs for a $10M funding project 'SSOT-Provider Data Quality' with 2 business analysts.
- Boosted quality and improved accuracy by 57.71% for provider interactions though development of a batch data screening tool.
- Created FRD, Design SPEC, user stories, Process/Work flows, error logs and update actions library.
- Collaborated closely with Informatica team to deliver the ETL info-data sources, data flow logics into BRD.
- Involved in UAT phase; designed and drafted test plans, made RTM, wrote test cases in HP ALM, passing over 300 test cases.

Environment: *Agile SDLC, Informatica, MS Visio, Share Point, SQL Developer, HP ALM, , MS Project, MS*