Bhadra Shah

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EDUCATION

University at Buffalo (SUNY Buffalo), Buffalo, New York   **Aug 2021- Jan 2023**
Master's in Data Science and Applications   **GPA 3.9/4**
K.L.E Technological University, Hubballi, India.   **Aug 2015 - June 2019**
Bachelor of Engineering in Computer Science and Engineering   **GPA 8.38/10**

TECHNICAL SKILLS

- Programming languages: C, Java, Python.
- Web Technologies: HTML, JavaScript, CSS, Angular, React.
- Database: MySQL, PostgreSQL, MongoDB, Oracle.
- Tools and Technologies: PyCharm, Jupyter Notebook, Eclipse, Postman, Git, TensorFlow, Spring MVC, Docker, JUnit, Eureka, Intellij, Eclipse, Jenkins.

PROFESSIONAL EXPERIENCE

Java Developer, Yom Solutions   **April 2023- Present**
- Designed and developed microservices that enabled scalability, resiliency and traceability using Spring Netflix OSS stack and deployment using tools such as Junit, Docker, Kubernetes.
- Used sleuth and zipkin to add traceability on all HTTP calls to and from the services.
- Implemented Hysterix to achieve optimal resiliency in services and increase stability and availability of the stack.
- Secured the APIs with Oauth, implementing client credentials grant type.
- Worked on migrating services from on-prem to AWS cloud.
- Designed and implement user-friendly interfaces using AngularJS.
- Contributed to build a complete CI/CD pipeline to reduce the time to implement changes.

Software Developer, **Nimap Infotech**   **Sep 2019 - March 2021**
- Designed and Developed BackEnd web services in java for employee management.
- Implemented complex SQL queries for data retrieval, manipulation and performance optimization.
- Participated in and contributed to various Agile scrum ceremonies.
- Aligned logging to support Splunk logging for order traceability, fault detection and other metrics for business agility.
- Designed and implemented responsive user interfaces using React.
- Used Docker to create, manage, and deploy containers for java applications.
- Used Oauth2 to secure microservices and grant access to users based on roles at API level.

Software Developer, Genesys International Corporation Ltd   **Jan 2019 - May 2019**
- Designed and developed microservices for Dubai Land Department Project (DLD).
- Backend (REST services) development using Java technology stack such as J2EE technologies (JSP, Servlets, MVC, Spring hibernate) which helped in managing land details.
- Implemented JUnit test cases and use Mockito to mock external dependencies.
- SQL development GIS data (PostgreSQL).
- Hands on experience with agile team working in a continuous delivery model.

ACADEMIC PROJECTS

- **Smart Parking Reservation System [PHP, Python]**   **Jan 2018**
    i) Developed a PHP based web application to help reserve vacant parking spots.
    ii) Used object detection approach (Haar Cascade algorithm) to identify vacant parking spots.
- **Wellness Clinic – Medical Group [SQL]**   **Aug 2021**
    i) Created business rules for database, created a full entity-relationship (ER/EER) diagram.
    ii) Created SQL queries to fetch, execute and update entries in database.
- **H&M Fashion Recommendation system [Python, Tableau]**   **May 2023**
    i) Performed advanced visualization, reporting and interactive analysis report in Tableau for KPI metrics.
    ii) Utilized CNN Model (ResNet) to extract features from images and used K- means Clustering to cluster data.
    iii) Performed ALS Matrix Factorization method to give recommendations based on user similarity.