SHABANA SHEIKH

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Accomplished IT consultant with 7 years of experience at EY and Tata Consultancy Services, specializing in Java 8+, Spring Boot, and Python. Skilled in data integration and analytics within banking. As a student at Durham College, I am actively seeking a co-op position to leverage my technical expertise.

SKILLS

- Programming Languages: Java 8, Python, SQL.
- Tools & Platforms: IntelliJ, Google Colab, Tableau, Jupyter Notebook, Visual Studio
- AI/ML Expertise: RAG, LLM, ML algorithms
- Web Technologies: RESTful Web Services, JSP-Servlet, HTML, Bootstrap, CSS, JQuery, AngularJS, react.js.
- Cloud Services: AWS (Amazon Web Services).
- Databases: DB2, Relational Database (SQL), Postgres, Mysql.
- Frameworks and Libraries: Spring Boot, Spring Framework, Java Persistence API (JPA), Hibernate, Struts2.
- DevOps and CI/CD Tools: Git (Git Bash, GitHub), Jacoco, Autosys.
- Monitoring and Loggin: Splunk.
- Microservices and Distributed Systems: Microservices Architecture.
- Testing Frameworks: Mockito, Junit, Junit5.

EDUCATION

AI Analysis, Design & Implementation (Graduate Certificate), Durham College   Expected 2025
- Accepted into work term option

ACADEMIC PROJECTS

Data Visualization
- Developed insights from datasets by crafting visual representations with Tableau; showcased ability to transform raw data into interactive dashboards and meaningful visual stories. [View the project on GitHub](#).

Large Language Model
- Engineered the Gemma and Llama models using Ollama to respond to user enquiries based on documents, highlighting skills in building and deploying LLM systems. [Explore the project on GitHub](#).

Client & Server Interaction
- Constructed binary classification models and facilitated client-server interactions using FastAPI, demonstrating proficiency in developing scalable machine learning models and integrating them into web services. [Checkout the project on GitHub](#).

- Developing a JobBank website using a microservices architecture, leveraging React.js for the frontend, Java Spring Boot as the backend service layer for handling business logic and API interactions, PostgreSQL as the database for efficient data storage and retrieval, and Python-based models for resume ranking.

Computer Science – Master's Degree, Sastra University   2021

Computer Science – Bachelor's Degree, Ramniranjan Jhunjhunwala   2017

WORK EXPERIENCE

Senior Technology Consultant, Ernst & Young   Mar 2022 – Aug 2024
Client- Morgan Stanley, India (3F028)

- Utilized Java8, Spring Boot, RESTful web services, JPA, and Db2 to communicate between microservices and the frontend application.
- Created Autosys Jobs scripts written in Java, Python, and Linux Shell scripting languages to automate the process of data collection and processing from different services.
- Developed comprehensive flow diagrams to ensure clear depiction of data flow and user interactions within the system.
- Maintained the standardization by creating and improving the project structure by segregating the controller, service, entity, constant, and DAO classes. Implemented the factory design pattern in various functionalities to continue code reuse.
- Followed Agile methodology to ensure smooth scrum operations by regularly discussing blockers, due dates, delays in deliverables, Jira updates, priority changes, and ensuring new functionality was tested in the development environment before QA release.
- Developed Jenkin pipelines to validate the unit test written for the newly developed code in order to maintain the software quality, identify the bugs, deploy the code to the QA and production environments, and automatically build, test, and push the code to the main repository.
- Implemented unit and integration testing using JUnit and Mockito to ensure code reliability and leveraged JaCoCo to measure test coverage, enhancing software quality and maintainability.

Systems Engineer, Tata Consultancy Service   Aug 2017 – Feb 2022

- Transitioned 90% of the banking project from .NET to Java, utilizing Struts2, XHTML, jQuery, Hibernate, SQL, and WebSocket.
- Adhered to the SOLID principle to maintain the coding standard.
- Conducted thorough on-site testing at the client location to ensure seamless integration and performance in the production region.
- Worked on a separate bank requirement using JSP, Servlet, SOAP web services, and SQL.
- Utilized Linux commands to analyze the script logs deployed in the prod environment to identify the issue experienced by the client, to view files, and to give various types of permission to them.
- Helped in performance tuning in SQL by using Join instead of subqueries, which saved up to 50% of the time taken by the query to execute.
- Debugged and resolved issue where the client was passing a value that was not syncing with the database value, resulting in an incorrect page occurrence in the frontend.

VOLUNTEER EXPERIENCE

- Member of the Institute of Student Leadership program; volunteers at several college events.
- Developed a Python script at Morgan Stanley to identify newly created columns and tables between two specific dates, ensuring compatibility with multiple databases.
- Contributed to the student's guidance event by helping undergraduates decide on their career.

CERTIFICATES / AWARDS

- **Client Appreciation Certification**
- **Service & Commitment Award**
- PSPO1 Certification- On Credly

- **On the Spot (Team) Award**
- **AWS Certified Cloud Practitioner**, On Credly
- **Power BI**, Udemy Certified