Shuaike (Shawn) Zhou

Software Developer | Java | Python | AWS Certified Cloud Practitioner
shawn.zhou98@gmail.com - https://www.linkedin.com/in/shawn-shuaike-zhou/ - github.com/szhou97

Education

Boston University Boston, MA
M.S in Computer Science 09/20 – 12/21

University of Wisconsin – Madison Madison, WI
B.S in Computer Science, Physics, Astronomy 09/16 – 05/20

Relevant Course Work: Object-Oriented Programming, Database Management Systems, Operating Systems, Distributed Systems

TECHNICAL SKILLS

Certification: AWS Certified Cloud Practitioner
Language: Java, Python, Golang, JavaScript
Framework/Library: Spring Boot, Pandas, Numpy, Scikit-Learn, Django, Redis, Pytorch, Ray, React.js
Database: MySQL, PostgreSQL, MongoDB

PROFESSIONAL EXPERIENCE

Kin + Carta – Chicago, IL ***Technical Analyst*** **01/22 – 10/22**

- Performed as back-end Junior Software Developer in an **agile framework**.
- Increased Business Intelligence efficiency by deploying an automation on **GCP** to eliminate manual work.
- Automated the program by scheduling it (**Cloud Scheduler** and **Pub/Sub**) to fetch (**BigQuery**), process (**Python** with **Vertex AI**), and output (**Cloud Function** and **BI Engine**) new data every day. Used **Logging** to ensure process integrity.
- Organized the output using **Microsoft Power BI** for ease of access and manipulation and implemented Filters for more features.

Projects

Twitter Clone Project – 2023

- Created a social media RESTful API service that resembles Twitter and can be served as the backend of a larger program.
- Ensured project functionality by developing dozens of endpoints for the API service using **Java Spring Web** and **PostgreSQL**
- Maintained project reliability by consistent testing with **Postman**.

Yelp Review Prediction – data analysis using Data Mining techniques.

- Built a model to classify restaurants based on user-reviews and used the model to predict future star-based ratings.
- Analyzed Open Yelp Dataset and employed TFIDF vectorizer to prepare text-based reviews for clustering and K-Means clustering model to predict future star-based reviews for restaurants.
- Utilized **Python, Scikit-Learn** library, **JSON** file conversion, and **CSV** file output, and created plot visualization.