SACHIN SHAH(US Citizen)

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Skills: Java, Python, Spring, mySQL, MongoDB, Express, Node, React, Jenkins, Docker, AWS

WORK EXPERIENCE

SOFTWARE ENGINEER @ ARCOS LLC   **AUG 2022-AUG 2023**

● Designed and implemented multi-tenancy into core SaaS platform REST APIs using the **Java Spring Framework,** assisting the migration to AWS which decreased latency between platform and mobile applications and supported zero-downtime and high-availability efforts.

● Implemented core platform REST API endpoints which standardized damage reporting workflow across multiple customers using **Java Springboot** and **PostgreSQL**

● Used **Postman** to develop an automated test suite for REST API endpoints which covered end-to-end and integration test cases.

● Drove the entire SDLC for a new user facing feature developed with the **Java Spring MVC** architecture, **React,** and **PostgreSQL**. Coordinated efforts between cross-functional teams such as UI/UX and Product

● Solved critical bugs within the CI/CD build pipeline. Actively participated in code reviews, feature scoping, and made key technical decisions on database infrastructure projects.

SOFTWARE ENGINEER @ BANK OF AMERICA   **SEP 2021-AUG 2022**

● Implemented and designed a presenter tool using **JavaScript** that can be installed via NPM which can walk users through the core components of a webpage
● Implemented REST API endpoints to handle banking transactions using **Spring MVC** and **Spring Boot** ●
Wrote multiple test cases for API endpoints using the **JUnit** framework

GLOBAL TECHNOLOGY SUMMER ANALYST, BANK OF AMERICA JUN 2020 – AUG 2020

• Scraped financial and regulatory documents to build an NLP language model that will be shared across the enterprise to assist in building intellectual property

• Used **Keras** to create and implement a **ML based internal search engine tool** which forecasts the next 50 words of any regulatory document with 90% accuracy and helps new hires understand company acronyms

SOFTWARE DEVELOPER INTERN, IBM MAR 2019 – AUG 2019

• Designed and implemented a load analyzer using **JavaFX** which visualized IDAA server metadata for developer use •
Developed testing scripts using **JDBC** and **multithreading** to determine the latency of several actions between DB2 mainframe instances and DB2

PROJECTS AND AWARDS

● [**GLOBAL MUSIC SCOUT**](): Developed a custom GPT using **Prompt Engineering techniques** and the **OpenAI GPT Store** which uses location data to curate a playlist of music showcasing underground local artists. Won Most Creative at the Emergency OpenAI Hackathon on 1/15/2024.

● **EVALPRO:** Developed and deployed a chatbot based pipeline that automated the collection, storage, and analysis of academic feedback using **Google Dialogflow**, **Google Firestore**, **React**, and **Plot.ly**

● **TRELLO CLONE:** Used the **React** framework and **AWS DynamoDB** to design and implement a Trello like issue-tracking application powered by the **Github API**, which was **Dockerized** and deployed using and **AWS EC2** instance and maintained with a **Jenkins CI/CD** pipeline

● **STOCK TRACKER APPLICATION:** Used **React**, **mySQL**, and **Express.js** to create a full-stack web application which allows users to search and store stocks in a personal watch list and calculate potential capital gains and losses

EDUCATION

B.S. SOFTWARE ENGINEERING, MINOR IN ECONOMICS, SAN JOSE STATE UNIVERSITY **Graduated in: May 2021**
Relevant Coursework: Enterprise Software Systems, NoSQL, Software Quality Engineering, Operating Systems, Server Web Programming**,** Information Security, Human Computer Interaction