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OBJECTIVE

Seeking a position in an organization where I can leverage my technical and logical skills and abilities to collaborate effectively with cross-functional teams to develop software solutions that meet business objectives.

SKILLS

Programming Languages	Python, Java, C#, C/C++, SQL
Tools and Frameworks	ASP.NET, Flask, Pandas, Streamlit, Apache Kafka, Docker, Kubernetes, AWS, Git
Soft Skills	Communicative, Team-Worker, Adaptable, Quick Learner

EXPERIENCE

Member-Technical (Full-Time)	May 2024 - Present
Zentropy Technologies (Front Office - Sculptor Capital Management)	Chennai, India

- Developed the backend for a **Generative AI** application using **Azure OpenAI**, enabling HR managers to fetch employee information and disable users in Windows Active Directory via natural language, powered by PowerShell integration.
Tech Stack: Python, OpenAI, Powershell, Windows AD
- Built a .NET web application to ingest **real-time capital markets data** from Capital Markets Gateway (CMG) **via WebSocket**, **down time data using GraphQL** (HTTP), and publish it to Apache Kafka.
- Developed a windows service using .NET to consume the Kafka messages, transform them into a standardized data model, and persist them to the database.
Tech Stack: .NET, Redis, GraphQL, Microsoft SQL Server, Kibana
- Developed a **fully-automated strategy trading application** with **Bloomberg EMSX API** in Python which involves multi-processing, multi-threading and logging and database interactions.
Tech Stack: Python, SQLite, Bloomberg EMSX API
- Developed a reconciliation tool to **reconcile data from two different data sources** and capture the differences, and **store the results in Amazon S3**. Configured a **CRON job to automate the reconciliation** using the configs stored in Amazon S3 and upload the results to a Slack channel.
Tech Stack: Python, Pandas, boto3, Streamlit, Windows Scheduler / Crontab, Slack API

Member-Technical (Internship)	Dec 2023 - Apr 2024
Zentropy Technologies	Chennai, India

- Developed a dashboard to visualize Option Greeks in real-time using Streamlit and Highcharts.
Tech Stack: Python, Streamlit, Kafka, gRPC

EDUCATION

Bachelor of Engineering (Computer Science), Mepco Schlenk Engineering College	2020 - 2024
Relevant Coursework: Data Structures & Algorithms, Databases, Operating Systems, Computer Networks	CGPA: 9.23

PROJECTS

Lensmakers - Online Eyewear Store An e-commerce website exclusively for eyewear sales and inventory management.
Tech Stack: MongoDB, ExpressJS, AngularJS and NodeJS (GitHub)

Employee Management System A flexible and easy-to-use software solution for small and medium-sized organizations to manage their employees. *Tech Stack: Java SWING, MySQL (GitHub)*

ACHIEVEMENTS

Winner – Internal Hackathon – Smart India Hackathon 2022 Got selected in the intra-college level hackathon to participate in the Smart India Hackathon 2022.(GitHub)

CERTIFICATIONS

- AWS Certified Solutions Architect Associate
- AWS Certified Data Engineer Associate
- AWS Certified Cloud Practitioner
- Pythonic Programming from QA (formerly Cloud Academy)