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Summary

Highly skilled Software Engineer with 2+ years of experience in Python development, specializing in backend systems, API development, and platform integration. Expertise in leveraging AWS, SQL, and Large Language Models (LLMs) to build scalable and efficient solutions. Proven ability to automate workflows, streamline processes, and drive innovation. Seeking a dynamic role to apply technical expertise and contribute to cutting-edge projects.

Skills

- **Languages/Technologies:** Python, SQL, RESTful APIs, Docker, Flask, FastAPI, Django
- **Cloud Technologies:** AWS (Lambda, EC2, S3, CloudFormation, Boto3)
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Tools/Platforms:** Git, Jenkins, Informatica
- **Machine Learning:** LLM (Large Language Models), TensorFlow, Keras, GPT
- **Other:** OCR, Regular Expressions, Asynchronous Operations

Professional Experience

Zendesk | Python Developer | October 2024 – Present

- Developing backend systems and APIs using Python, Flask, and FastAPI to improve customer service solutions.
- Integrating third-party applications to extend product functionalities.
- Leveraging AWS and SQL databases to enhance architecture and implement efficient cloud solutions for data processing and storage.
- Collaborating with cross-functional teams to continuously improve system performance, maintain code quality, and solve complex backend challenges.

LTIMindtree (Aspect Project) | Python Backend Developer | September 2023 – September 2024

- Designed and developed backend solutions for the Aspect platform using Python, FastAPI, and Flask to create scalable, high-performance APIs.
- Integrated LLMs, enhancing platform capabilities with features like OCR, regex-based extraction, and document post-processing (Camelot).
- Implemented third-party app integration using async operations.
- Implemented custom functionalities, including duplicate annotation detection and LLM model fine-tuning for text processing.
- Optimized machine learning models, particularly for GPT and other language model applications.
- Developed custom scripts to interact with REST APIs, filtering out unnecessary information for improved data handling.

**Travelers (Client) - LTIMindtree | Python Developer | May 2023 –
September 2023**

- Developed custom scripts to automate the conversion of insurance form
  data from Excel to JSON, streamlining form processing.
- Automated the population of PDFs with client data using Python.
- Integrated API solutions for automated data dumping into the client's
  database.
- Enhanced workflow efficiency by automating data extraction, reducing
  processing time and improving accuracy.

LTIMindtree, Internal Project - Aspect | Product Engineer | September 2022 – April 2023

- Contributed to the internal Aspect project, developing AI-driven solutions for document processing, including text processors, named entity
  recognizers, image classification, and table extraction.
- Built models for City National Bank and Simon-Kucher & Partners, customizing NLP and machine learning solutions.
- Trained, deployed, and demonstrated models tailored to client needs,
  utilizing Python and AWS to automate workflows and integrate solutions.
- Worked on features like document splitting, knowledge nugget extraction,
  sentiment analysis, and object identification.

Training Experience

LTI (Training Period) | July 2022 - September 2022 (3 months)

- Underwent 3 months of extensive training on Informatica, gaining hands-on
  experience in data integration, transformation, and ETL processes.
- Developed proficiency in data management and migration strategies.
- Received training and completed assignments in SQL, Python, and Java.

Projects

- **IBackPack (AR Tour Guide App):** Developed for visitors to find exciting online information during their travels, integrated Unity for augmented
  reality. Final Year Project
- **Telegram Bot with Weather Forecast (Python):** Developed a Telegram bot using the python-telegram-bot library, integrated with OpenWeatherMap API. Project Link
- **Data Science Jupyter Notebook (Python, Pandas):** Data analysis
  project using 911.csv and USA Housing.csv datasets. Project Link
- **WhatsApp Bot (Flask, Twilio, MongoDB):** Developed a WhatsApp-based chatbot for a bakery. Project Link
- **GSM-based Wireless E-Noticeboard:** Diploma final year project that
  aimed to create a wireless noticeboard system for displaying messages
  remotely.

Education

K.C. College of Engineering Management Studies and Research | B.E. in Electronics and Telecommunication | June 2022 | 8.09 CGPA

Shah and Anchor Kutchhi Polytechnic | Diploma in Computer Technology | June 2019 | 76.59%

Certifications

- Multidisciplinary Conference on Engineering Science & Technology (MCEST 2022) – Presented Ibackpack: An AR Tour Guide App.
- Python Certifications
- Generative AI Certifications
- Internship and Training Certificates Complete List