Ayman Moubayed

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EDUCATION
Bachelor of Science: Computer Science, Florida Atlantic University, Boca Raton (FL)

CERTIFICATIONS
Amazon Web Services(AWS) Certified AI Practitioner, February 2025
Florida Atlantic University - Data Science and Analysis

SKILLS & TOOLS
Languages: Python, JavaScript, Java, Kotlin, HTML, CSS, C/C++, SQL, XML
Platforms and Tools: AWS (Amazon Web Services), Postman, Jenkins, Jupyter Notebook, MySQL Workbench, Anaconda, Visual Studio, Vercel, Docker
Libraries and Frameworks: React/ReactNative, Next.JS, Redux, PyTorch, TensorFlow, PySpark, Matplotlib, Sklearn, Keras, Pandas, Numpy, Scipy, Seaborn, OpenCV, SpaCy, Tableau, NLTK, Selenium, Spring Boot, Flask, Django, MySQL, PostgreSQL, MongoDB
Cloud Technologies: *AWS:* EC2, Lambda, S3, RDS, SageMaker, Bedrock, EKS, VPC, CodePipeline, IAM.
Google Cloud: Compute Engine, Cloud Storage, Cloud SQL, VPC, IAM
Machine Learning & AI: AWS AI/ML services (Rekognition, Comprehend, Polly, Lex, etc.), GenAI, Model deployment with AWS SageMaker, Deep Learning, Natural Language Processing, Computer Vision

WORK EXPERIENCE
Full Stack Developer, Cognizant Technology Solutions, Dallas, TX: January 2022 – Present
- ***Software Engineer(Contractor), Toyota Financial Services, Dallas, TX***
  - Curated full automation pipelines using Python and AWS that generate, download, and analyze sensitive banking report documents for Toyota Financial Services. Creating Python scripts and utilizing AWS resources such as **ECS, S3, lambda**, and schedulers.
  - Developed and tested Toyota and Lexus website features, enhancing user experience and functionality.
- Web and Mobile development, integration, and deployment, demonstrating proficiency in React/React Native, Flask, Spring Boot, and Java/Kotlin for esteemed client accounts including PepsiCo and Comerica Bank, Toyota, as well as in internal projects.
- Assembled and developed the Dallas GenAI training program. A training initiative to help **over 30 developers** learn and develop **NLP** projects utilizing **OpenAI, HuggingFace, Vector DBs** such as Pinecone, and Python libraries such as **LangChain**.
- Led the execution of backend functionalities for internal social media projects, utilizing **Flask** to develop **REST APIs**. Created Python scripts to integrate cloud services and databases, and implemented secure authentication methods to ensure robust user security.

PROJECTS
Pixel Gram:
Technologies: TypeScript, React.js, Python, Flask
- Created an Instagram clone with Reactjs frontend and Python/Flask backend.

Spam Detection:
Technologies: Python, LangChain, Pinecone vector DB, HuggingFace
- Developed an AI-powered spam detection system using pre-trained **NLP Large Language Models (LLMs)** for classification and **Pinecone** for efficient semantic similarity searches. Integrated workflows and embeddings to identify spam patterns with high accuracy

ReadBuddy:
Technologies: Java/Kotlin,Firebase,GoogleBooksAPI,OAuth 2.0
- Developed an Android native application that allows a user to keep track of the books they read, read books using the GoogleBooks API, and leaderboard with friends.