Faith Solomon

PYTHON DEVELOPER | DATA ENTHUSIAST

+234 (811) 8928 474, +7 (918) 577 9817
faithosebi02@gmail.com
No 39, Sam Tsokwa Street, Kubwa – Abuja, Nigeria. 901101.
https://www.linkedin.com/in/faith-solomon-3498ba179/

WORK EXPERIENCE

Business Development Assistant | Junior Python Developer, *Raadaa Partners International Limited (Corp Member)*
January 2025 – Present

- Prepared and organized business documents, ensuring accurate formatting and timely delivery to clients.
- Communicated with clients to gather feedback and reported insights to Business Development Managers (BDMs) to support decision-making.
- Sourced potential clients, updated tracking sheets with relevant details, and contributed to lead generation efforts.
- Identified and screened potential staff by extracting and organizing applicant information from application emails.
- Initiated and developed a full-stack Django-based document automation and workflow management system to enhance Business Development Assistant tasks and streamline office operations (see details under Projects).

Data Analyst Intern, *British Airways*
November 2023 – March 2024

- Scraped and fetched customer and company data.
- Analyzed data and built predictive models to understand factors influencing buying behavior and foretell certain conditions to improve company's sales.
- Conducted sentiment analysis to spot out customers' dislikes and improve customer experience
- Visualized findings using Matplotlib.

Student Researcher, *Southern Federal University, Rostov-on-Don*
December 2023 - February 2024

- Analyzed large datasets to identify trends and patterns.
- Contributed to research on big data analytics applications across various sectors.
- Publication of research papers.

Data Science Intern, *Southern Federal University***,** *Rostov-on-Don*
June 2022 - August 2022

- Developed predictive models for customer behavior analysis using Python and Scikit-learn.
- Conducted data cleaning and preprocessing to improve data quality.
- Designed and implemented interactive data visualization dashboards using Plotly and Matplotlib.

EDUCATION
September 2020 – July 2024
Bachelor's Degree, Applied Computer Science, Southern Federal University, Rostov-on-Don, Russia
2ND Class Upper Division

SKILLS

Web Development	Data Analysis	Data Visualization
Python	Django	PowerBI
Tableau	Excel	ReactJS
Flask	FastAPI	JavaScript
PostgreSQL	MySQL	Java
Active Listening	Writing	Research

PROJECTS
FedGo: Crime Prediction and Analysis Application (Python, Sci-kit Learn, XGBoost, Machine Learning, Flask, ReactJS, PostgreSQL)
- Developed a web-based application to enhance law enforcement strategies through crime prediction and analysis using big data analytics.
- Built predictive models (classification & spatio-temporal) to forecast crime types and locations using XGBoost and TensorFlow LSTM.
- Integrated data from public sources to improve prediction accuracy and provide actionable insights.
- Designed a user-friendly interface with ReactJS for seamless interaction and visualization.
- Tech Stack: Python, XGBoost, TensorFlow LSTM, Kaggle, ReactJS (Frontend), Flask, Node.js, Express (Backend), PostgreSQL (Database).
- **Impact**: Enables law enforcement agencies to anticipate and prevent crimes, improving public safety through data-driven decision-making.
- **Live Web App:** https://fedgo.onrender.com

Bike Sales Analysis (Excel)
- Conducted an in-depth analysis of bike sales trends based on customer demographics and usage patterns.
- Cleaned and structured data using Excel formulas, functions, and pivot tables.
- Developed an interactive dashboard to visualize key insights, including:
  - **Demographics:** Middle-aged individuals owned more bikes than older adults.
  - **Usage Patterns:** Most people used bikes for short distances (0-1 miles).
  - **Gender Insights:** Females had a stronger representation in the research, with **35,000 purchases** compared to **33,333 from males** in the average income per purchase.

- **Impact:** Helped identify target customer segments and optimize marketing strategies for increased sales.
- Link to project: https://1drv.ms/x/s!Au8CveT-C7ITjNNvemdpmCf6EGDdOA?e=8vTFM5

AirBnB Market Analysis (Tableau & Excel)
- Cleaned and structured large datasets from listings, reviews, and calendars for accurate insights.
- Conducted an in-depth analysis of Airbnb listings to uncover pricing and revenue trends.
- Built interactive Tableau dashboards featuring:
  - **Distinct Count of Bedroom Listings** to assess market supply.
  - **Price by Zipcode** to visualize geographic pricing trends.
  - **Revenue for a Year** to estimate earning potential.
  - **Average Price Per Bedroom** to compare accommodation costs.
- **Impact:** Helped identify high-revenue areas and optimize pricing strategies, potentially increasing host   revenue by providing insights to optimize pricing and increase bookings
- Link to project:
https://public.tableau.com/views/AirBnBTableau_17382496103750/Dashboard1?:language=en-US&publish=yes&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link

Document Automation & Workflow Management System (Django)
- Developed a full-stack Django-based system to automate document generation and streamline workflows for internal business use.
- Built dynamic .docx to PDF conversion with placeholder replacement, smart formatting (e.g., date suffixes), and auto-generated downloadable files.
- Implemented multi-user authentication with role-based access (BDA, BDM, Sales Rep, Admin), email credential storage, and Zoho SMTP email integration.
- Integrated automated email notifications with PDF attachments, CC to Sales Reps/BDMs, and approval workflow support.
- Designed a folder-based drive system for managing uploaded, generated, and edited documents with hierarchical folder support.
- Created a CKEditor-powered web document editor for formatting documents with image support.
- Developed a Kanban-style task board with drag-and-drop functionality, AJAX status updates, task reassignment, and overdue detection.
- Enhanced usability with column-based filtering, search, persistent filters, and PDF previews via modals on the document list page.
- Ensured security with role-restricted views and maintained audit trails for document/task actions.
- **Impact**: Streamlined document creation and approval processes, improving efficiency for Business Development Assistants and supporting scalable workflow management.
- Link to Project: https://github.com/ShayYhee/DocSystem

Vocallyze-Web Communication Improvement Platform
(Ongoing)
- Developed a FastAPI-based backend to support a Next.js frontend for Vocalize-Web, a speech improvement platform using GPT-4 to generate scenarios for interviews, presentations, and other practice modules.
- Designed and implemented database models using SQLAlchemy with PostreSQL, creating tables for users, subscriptions, progress metrics, practice modules, simulation results,

feedback, onboarding, and more to support core application functionality.

- Built modular API routes for authentication (signup, signin with cookies), user onboarding, profile management, dashboard, practice module prompts, simulation results, feedback, and progress tracking.
- Integrated GPT-4 for generating dynamic practice module prompts and scenarios, enhancing user interaction with tailored speech exercises.
- Implemented secure user authentication with JWT tokens and cookies, ensuring robust session management and data protection for user registration, login, and profile updates.
- Created endpoints for saving and retrieving user data, onboarding responses, simulation prompts, practice module results, and detailed feedback (e.g., pace, clarity, vocabulary, filler words).
- Developed a progress tracking system, enabling users to monitor speech improvement metrics (e.g., clarity, vocabulary, pace) via a dedicated progress page with calculated metrics.
- Designed a feedback system with detailed suggestions for filler words, tone, pacing, and vocabulary improvements, stored in relational tables for practice sessions and simulation results.
- Utilized Pydantic schemas for request/response validation, ensuring data integrity and type safety across all API interactions.
- **Impact**: Delivered a scalable and secure backend that powers personalized communication training, enabling users to improve public speaking skills through data-driven feedback and progress tracking, with seamless frontend integration.

LANGUAGES
- English (Native)
- Russian (Fluent)
- American Sign Language (Fluent)
- Japanese (Intermediate)

AWARDS
- Federal Scholarship Board - Bilateral Education Agreement (2019-2024)