ABENEZER MEHERET

Python Developer
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Summary

Machine Learning & Backend Engineer | Python, ML Systems, Cloud-Native APIs | 5+ Years Experience

Professional Experience

Senior Full Stack Developer & Automation Developer
Paradigm Habesha   **12/2023 - 04/2025**

- Remote (Texas, USA)
- Created **Habesha Events(** https://habesha-events.net **)** backend services in Python, FastAPI, SqlAlchemy and PostgreSQL, python-dotenv, fastapi, requests, sqlalchemy, schedule, libtmux, apscheduler, uvicorn, geopy, python-telegram-bot, beautifulsoup4, pandas, openpyxl, diskcache, screenutils, cryptography, python-multipart, boto3, psycopg2-binary, opencage and frontend with Next.js . Habesha events has 1000+ weekly users. API documentation can be found https://api.habesha-events.net/docs . I have used Github Actions to set up automated code testing on a test server upon a pull request being sent to the main branch. Additionally created another Github Actions code that deploys latest code on main branch to a production server.
- Worked on a **Big money trade extractor** from a stocked up youtube channel. I have used youtube-transcript-api, openai, yfinance, and pandas to extract big money trades from the youtube channel. Extracted 20+ big money trades.
- Worked on a **Complaint Automation system** that fills out customer complaint forms based on information from csv files. It was used to fill 10 customer complaints. I have used selenium, requests, pandas, selenium-wire and openpyxl.
- Worked on an **Automated social media post extraction tool**. I have used selenium, requests, pandas, facebook-scraper, selenium-wire, openpyxl and was able to scrape 400 facebook posts including images and text content. Additionally, I have used boto to upload extracted images to AWS s3.
- Implemented a tool that extracted image and text content from **300+** social media posts. The extracted contents can be found here https://docs.google.com/spreadsheets/d/1S-zBnYbzmx43k-aj9U-uT9GZi5hWknrwg9hLXbLb1cU/edit?usp=sharing
- Maintained clean code rules and practices.

Odoo Developer
Microgeez Solutions   **06/2022 - 12/2024**
- Addis Ababa, Ethiopia
- Customized 15 Odoo modules, built 10 odoo modules with python as backend and XML on the frontend.
- Built a college and academy management system, the system has processed **200**+ users across 4 companies, **10,000 students**, **100,000 transactions totalling 50,000,000+ ETB**. Processed **3000**+ student assessments and grades.
- Worked on telegram notification functionality that will notification department managers when employees request a product/service from store https://drive.google.com/file/d/1PCmD_K38DAyhH2tA8xtYDXk-GBrr_F1r/view?usp=sharing

System Developer, Artificial Intelligence Engineer
Wao Algorithmic Trading Solutions   **12/2021 - 01/2024**

- Remote (Cubec, Canada)
- Worked on frequency trading bot. I have used freqtrade (https://github.com/freqtrade/freqtrade), python-binance, websocket_client, event-bus, binance-futures, requests, watchdog, psutil, gspread, oauth2client, python-telegram-bot, ccxt, firebase_admin.
- Worked on Automation on google sheets. I have used the selenium python library to automate opening of google sheet apps called opensolver. Clicks some buttons to start opensolver and extracts value from from the google sheet cells. https://drive.google.com/file/d/1aQf48QTgRUwoluZL7VFpImOI8tLlFAdT/view?usp=drive_link
- Designed and implemented machine learning strategies CatboostRegressor, CatboostRegressorMultiTarget, CatboostClassifier, CatboostClassifierMultiTarget, LightGBMRegressor together with transfer learning and deep learning models such as LSTM to make market price predictions and deployed models on AWS Sagemaker. I have listed below models that I have architected, built, trained and deployed.
    - https://huggingface.co/abenezermb/LSTM-Close-3y
    - https://huggingface.co/abenezermb/LSTM-Close-4m
- Conducted backtest on historical data leveraging freqtrade. https://drive.google.com/file/d/1OWH-zPudDgCc6k8zvoOE7Ib4Bq3y1lvC/view?usp=sharing https://drive.google.com/file/d/1I8K_wHlFl2cfDDuZsV7xxM5NNS3WA6NH/view?usp=sharing
- Worked on telegram bot to receive real time buy/sell signals that are being sent from the frequency trading bot https://drive.google.com/file/d/1zWyRKq67b44th-20SDMcFjxBZg_AKPrh/view?usp=sharing
- Worked on AWS EC2 instance to test and deploy different frequency trading algorithms.

Odoo Developer
Masstech Trading Solutions   **07/2021 - 01/2022**
- Addis Ababa, Ethiopia
- Worked on a **tender management system** that will produce all tender related documents with little human input. Used odoo 15 with python backend and XML frontend.
- Processed **100+** tenders and tender documentations. Achievements can be found here https://drive.google.com/drive/folders/1ARDz-Rvo_5RO56_ZVFPQTP9rIzomgmfG?usp=sharing
- Deployed odoo on AWS EC2 Instance.

Achievements & Open Source Contributions

1. Code complexity analyzer – https://github.com/abenezermb/CODE-COMPLEXITY-ANALYZER
2. Screenshot website archiver – https://github.com/abenezermb/Screenshot-Website-Archiver
3. CSV2API Converter – https://github.com/abenezermb/CSV2API-Converter
4. Docker DevOps Github Actions Deployment – https://github.com/abenezermb/Docker-DevOps-GithubActions-Deployment
5. Facebook Automation – https://github.com/abenezermb/Facebook-Automation
6. Buzzfile Scrapper Automation – https://github.com/abenezermb/Buzzfile-Scraper-Automation
7. Ecommerce Scraper – https://github.com/abenezermb/Ecommerce-Scraper
8. Moving Average Strategy – https://github.com/abenezermb/Moving-average-strategy
9. Java Multi Downloader – https://github.com/abenezermb/Moving-average-strategy
10. Question and Answering Bot – https://github.com/abenezermb/openQA

Education

Qualification: Bachelor of Science
Institution : Addis Ababa Science and Technology University
Date period : 2017-2021
Location : Addis Ababa, Ethiopia
- Degree in Software Engineering
- Addis Ababa Science and Technology University

- Addis Ababa, Ethiopia

Technical Skills

- ML/AI
    1. Keras
    2. TensorFlow
    3. Sklearn
    4. Pandas
    5. Numpy
    6. SciPy
    7. Matplotlib
    8. ML Pipelines
    9. ChatGPT models and API
- Code management & Version Control
    1. Git
    2. Github
    3. BitBucket
- DevOps
    1. GitHub actions
- Backend
    1. Python3
    2. Python
    3. JavaScript
    4. NodeJS
    5. Express Framework
    6. Odoo
    7. Flask
    8. FastAPI
    9. Telegram API
- Automation
    1. Selenium
    2. Scrappy
    3. BeautifulSoup
- Frontend
    - React
    - NextJS
    - Typescript
    - Tailwind CSS
- Database management systems & ORMs
    1. PostgreSQL
    2. MySQL
    3. MariaDB
    4. SQLite
    5. Sequelize
    6. SqlAlchemy
    7. Supabase
- Architecture
    - Microservices
    - Client Server
- Remote work & Collaboration
    1. Trello
    2. Jira
    3. Clickup

Soft Skills

- Communication
- Teamwork/collaboration
- Problem solving
- Adaptability
- Time management
- Critical thinking
- Attention to detail
- Accountability
- Creativity
- Leadership
- Conflict resolution
- Curiosity and willingness to learn
- Strong analytical skills

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