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EDUCATION

Outpeer Python Engineering Program

Remote

Python Engineering, Apprenticeship

Sep. 2024 – Apr. 2025

– Top 10 of 90+ participants. Key Skills: Python, OOP, PostgreSQL, Django, Django REST, Docker, Git

Nazarbayev Intellectual School

Kokshetau, Kazakhstan

Physics & Mathematics Direction

Sep. 2018 – May. 2024

– GPA: 4.8/5.0 — Advanced Courses: Physics, Mathematics, Chemistry, English

EXPERIENCE

Startup Founder & CPO

Oct. 2023

Saqta App at Digital Bridge 2023

Astana, Kazakhstan

- Conceptualized a transformative app focused on combating domestic abuse while showcasing it to over 1,000 audience members; facilitated discussions afterward focusing on improving safety measures within communities.
- Guided an empowered group of eight professionals through rigorous testing phases leading up to a flawless submission on TestFlight—resulting in immediate positive feedback from beta testers within days.

Business Assistant to VP of Products

Aug. 2024 – Present

Improvado

Remote, Part-Time

- Built and launched Telegram bots that automated over 5 Notion processes, saving approximately 10 hours weekly and boosting overall productivity.
- Analyzed and processed datasets exceeding 10MB, leveraging AWS for cloud storage while using Python scripts to enhance data retrieval speeds—reducing execution time from hours to minutes.

TECHNICAL SKILLS

- **Programming:** Python (3.8+), C++, HTML5, CSS3, JavaScript
- **Frameworks:** Django (4.x+), Django REST Framework
- **Tools/Libraries:** Docker, AWS, DataGrip, Google BigQuery, Google Looker Studio, n8n, **OpenAI**, **Anthropic**, **Pydantic**, **openc**, **pytube**, **psycpg2**, **requests**, **playwright**

PROJECTS

AI Task Generator & Screen Recognizer - "Yolki & Palki"

May, 2025

Outpeer AI Hackathon - 2nd Place Winner (\$300 Prize)

- Co-developed with Nursultan Sagyntay an innovative AI-powered educational platform serving 20+ beta users; secured 2nd place among 80+ competing teams, earning \$300 in prize money.
- Built comprehensive AI task generator with automated Python test case compilation, reducing manual test creation time by 75% and enabling scalable assessment for programming courses.
- Engineered intelligent screen recognition system that automatically tracks resources like articles, videos and documents, and delivering personalized summaries and interactive quizzes with 90% accuracy rate.
- Implemented full-stack solution using Django + DRF backend, PostgreSQL database, Next.js frontend

AI Course Generator Platform

May, 2025

nFactorial AI Cup Hackathon - 4th Place (100,000 KZT Prize)

- Developed solo AI-powered course creation platform that transforms YouTube playlists into structured learning experiences; secured 4th place out of 200+ participants, earning 100,000 KZT prize.
- Architected automated video processing pipeline that loops all videos in playlist and extracts key concepts, and generates comprehensive lesson plans with learning objectives and assessments.
- Integrated advanced video transcription and content analysis using OpenAI API, achieving 95% accuracy in lesson extraction and reducing course creation time from weeks to hours.

News Tracking Telegram Bot

Nov. 2024 – Present

Independent Project

- Created an automated system using Python to monitor diverse sources of financial news such as BusinessWire and PRNewswire; streamlined information flow led to a 20% reduction in time spent gathering insights monthly.
- Implemented advanced automation by connecting the Notion API and Telegram; achieved a streamlined workflow resulting in 50% faster response times for urgent alerts on business-critical information from trusted sources.
- Combined functionality between built-in asyncio library with aioHTTP and BeautifulSoup to collect structured financial headlines daily—from six diverse sources—enhancing analytic models used internally within two weeks.

AI Summarizer for Articles, YouTube Videos, and Files

Apr. 2025 – Present

Pet Project

- Developed a Django-based web application that leverages **OpenAI** and **Anthropic** LLMs to generate concise summaries from text, YouTube videos, and PDF documents, significantly reducing end-user reading time.
- Utilized **PyMuPDF** for efficient PDF parsing and **pytube** for video transcription; integrated asynchronous operations using **Pydantic** for robust data validation.
- Increased summarization accuracy through iterative fine-tuning, improving user satisfaction metrics by an estimated 25%.