

Dmitriy Vasilyuk

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WORK EXPERIENCE

CTO & Lead Developer

April 2024 – Present

10spy

Redwood City, CA

- Designed architecture of AI app that comprises multiple agentic LLM workflows to perform research on potential clients for sales teams, allowing sales agents to quickly prepare effective, personalized ways to reach prospects.
- Implemented app's backend and UI features: chat, research using LinkedIn and 10-K SEC filings, free-form Internet research, processing results with LLM to generate insights on prospective clients' market landscape and likely needs.
- Collaborated with founder to brainstorm and iterate on overall product design as well as specific feature design and prompt engineering.
- Oversaw and mentored junior developer, explaining and demonstrating best practices for Python, software design, UI design, version control, team collaboration on GitHub and elsewhere; helped achieve greatly improved code quality.

Founder

September 2023 – Present

DocDocGo AI

Redwood City, CA

- Designed and built AI assistant apps (1) DocDocGo Carbon, licensed to [Carbon, Inc.](#) and (2) DocDocGo Core, open-source tool [featured](#) by Streamlit.
- DocDocGo Carbon is a Google Chat app that cures notorious Confluence search issues by allowing Carbon's employees to query the company's docs in natural language; performs keyword and semantic search using RAG via Langchain.
- DocDocGo Core is a multifunctional [app](#) that automates time-consuming deep research using LLM agents and advanced RAG; finds and ingests hundreds of sites on given topic into knowledge base and uses it for chat and detailed reports.

Python Developer

February 2024 – March 2024

Freelance

Redwood City, CA

- Developed data processing pipeline for corporate security consulting firm, adhering to data privacy protocols and cutting down processing time by 70% per client's estimate.
- Built survey response extraction from PDF, benchmark calculation, loading into PostgreSQL DB, generation of spreadsheets with benchmarking and charts, and UI to perform searches and filtering of DB entries for custom analysis.

Full Stack Blockchain Developer

August 2023 – November 2023

Peaze

New York, NY

- Built smart contracts to enable gasless cross-chain transactions using EIPs 712/2612 to encode/sign meta-transactions.
- Redesigned and wrote portions of Next.js API for relaying such transactions; wrote user-facing documentation.

Full Stack Blockchain Developer

December 2022 – July 2023

Creator XYZ

New York, NY

- Wrote smart contracts along with extensive test suite, performed audits and gas optimizations, created documentation.
- Implemented parts of frontend, integrated frontend with contracts and IPFS, created automated e2e frontend tests.

DeFi and Algo Trader

August 2021 – December 2022

Self-employed

Emeryville, CA

- Built perpetual futures trading bot on Solana blockchain; traded manually and algorithmically across DeFi protocols.
- Built Telegram bot with backend leveraging Python data science stack for time-series analysis, portfolio optimization.

Professional Poker Player

May 2007 – October 2021

Self-employed

Emeryville, CA

- Beat mid & high-stakes limit hold'em games with win-rate 1.9BB/100 over last 1M hands on PokerStars and other sites.
- Succeeded by building tools in Python and C++ to help play, analyze strategies, alert to my and opponents' weaknesses.

Co-founder

June 2006 – August 2009

Q-Wager

Emeryville, CA

- Made app to beat online casinos by optimally auto-playing blackjack and collecting bonuses, 300+ paying customers.

EDUCATION

MA in Physics

University of California, Berkeley

- Received Outstanding Graduate Student Instructor award; switched careers before completing PhD in string theory.

BA in Physics

University of California, Berkeley

- Earned [2nd place](#) in BAUPC, Harvard-run physics competition.

SKILLS

Python, Typescript, C++, Solidity, SQL, React, Langchain, Hardhat, Foundry, AWS, GCP, PyTorch, REST APIs, LLM agents