

Iliya Yaroshevskiy

Medical Software Designer (Independent)

3614 Avenue T
Brooklyn, NY 11234

📞 Available upon request

✉ Available upon request

🌐 iliya.zimerguz.net

in [iliya-yaroshevskiy-056867a9](https://www.linkedin.com/in/iliya-yaroshevskiy-056867a9)

🔗 [Zaroganos](https://www.zaroganos.com)

Experience

- 2019–Present **Director of Systems and Logistics**, *PurpLeaf, LLC*, Staten Island and Brooklyn, NY
- Administration of the software infrastructure for PurpLeaf, a hydroponics advanced technology startup.
 - Assist in coordinating company activities and office management duties.
- 2024–2025 **Health Coach**, *PMP Services (Independent)*, Virtual and Brooklyn, NY
- Coached private clients in a specialized boutique practice, empowering them to achieve their health goals in collaboration with the care team with a tailored, comprehensive, and data-driven approach.
- 2024 **Medical Technician**, *Fulton Vision Center*, Brooklyn, NY
- Performed medical, routine, and follow-up vision and ocular health pre-testing exams for patients at an Optometry clinic specializing in glaucoma care.
- 2016–2022 **E-5 Cadet, Assistant Military Intelligence Officer (S2)**, *204th Engineer Bn, New York Army National Guard*, Binghamton, NY
- Served first as a 92Y (Unit Supply Specialist), before transitioning into a 09R (Officer Cadet), filling an O-2 billet as the assistant S2 (Military Intelligence) officer at the 204th Engineers' Headquarters and Headquarters Company.

Projects

- 2022–Present **ZaroPGx**
- Developed ZaroPGx, a containerized pharmacogenomic analysis pipeline that integrates PharmCAT, PyPGx, and GATK to process genetic data (WGS, VCF) and generate clinically actionable reports based on CPIC, DPWG, and FDA guidelines, featuring a RESTful API, intuitive web UI/UX, and FHIR integration for exporting structured reports to healthcare information systems.
- 2024–Present **Medocker**
- Designed Medocker, a Python program for automating medical practice IT infrastructure deployment, enabling quick and safe configuration and launch of an entire software stack via an intuitive Flask web UI and secure and private self-hostable containerized architecture. An Ansible user side complements the Docker server side.
- 2023–Present **Goldflipper**
- Designed, developed, rigorously validated, and deployed in production Goldflipper, a modular and extensible event-driven architecture Python application that enables autonomous execution of an options trading strategy.
 - Data from APIs enter a pipeline which feeds a multi-faceted decision-making algorithm, permitting analytic as well as executive functions.
- 2020–Present **PurpLeaf Dual-Chamber Model**
- Performed full-stack software design, development, and implementation as well as electrical assembly duties for the Purpleaf dual-chamber automated hydroponic and aeroponic growth platform.
 - Produced a progressive web app UI built with React, using Javascript and Typescript, paired with a backend Single-Board Computer controller programmed in C and C++.

Education

- 2014–2020 **Bachelor of Arts in Biological Sciences**, *Binghamton University*, Binghamton, NY
- Professional Development
- 2021 **Continuing Professional Education in C.S. and I.T.**, *Thomas J. Watson College of Engineering and Applied Science, Binghamton University*, Binghamton, NY

Skills

- Languages English, Russian
- Technical Python, R, Julia, Java, C, C++, HTML, CSS, JavaScript and TS, REST APIs, OpenEMR, HL7 FHIR, Health Practice IT Infrastructure, RDBMS, Elasticsearch, Docker, ZFS, Linux, Debian/Ubuntu Server (Headless), Apache2 Server, Reverse Proxy, Nextcloud Server, Git CI/CD DevOps, Sysadmin, On-prem. LLM, LLM Prompting, Model Context Protocol, LaTeX, Scientific Translation, CITI Cert. (2021), Microsoft Windows and Office
- Healthcare Cert. EKG Tech (MedCA 2024), Phlebotomy, Optometric Testing, Cert. Health Coach (Institute for Integrative Nutrition 2024), Nutrition Educator (Binghamton University 2017), Therapeutic Methods, Exercise Science, Genetics, Psychology, Leadership