



Alex Krenitsky

Full-Stack Software Engineer

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Experience

Freelance Software Engineer

June 2022 - present

- Building dynamic web applications using Python, Flask, Javascript, HTML, CSS.
- Designing robust APIs and data pipelines.
- Maintaining clean, version controlled codebases.

Computer Science/ESL Teacher – Academy for Excellence in Leadership

September 2019 – June 2022, Brooklyn, NY

- Built a computer science curriculum covering fundamentals of computer programming.
- Designed and led engaging, open-ended CS projects.
- Maintained strong relationships with student families.

English Teacher – Hermanos Tora Bilingual School

October 2016 – June 2017, Madrid, Spain

- English language instruction for 4th grade students.
- Planned and executed activities for English, Science, and Social Studies classes, using clear objectives and assessments for language learning.

English instructor – Avalon English

February 2015 – March 2016, Cheongju, South Korea

- Led ESL classes for students aged 6-14, adapting lessons to student needs and assessing progress.
- Conducted formal language assessments in English speaking, listening, reading, and writing.

Architectural Assistant – MIT Lincoln Laboratory

June 2011 – February 2013, Lexington, MA

- Developed, reviewed, and shipped construction documents for new science labs.
- Developed standards for officCAD documents.
- Planned and coordinated architectural design with other engineering team requirements.

Skills

Programming Languages

Python, Javascript, SQL, HTML, CSS

Frameworks & Libraries

Flask, SQLAlchemy, Postgres, Pandas, Airflow, Selenium, BeautifulSoup, Matplotlib, React.

Tools & Platforms

Git, AWS, Nginx, Docker, Webpack, Jest, Linode, Linux

Projects

Pet-Watch

[pet-watch.ak0.io](#) [repo](#)

Web app for monitoring home temperature climate and pet well-being. Built with Flask, Postgres, SQLAlchemy, and deployed with Nginx, Docker.

Personal Blog

[blog.ak0.io](#) [repo](#)

Personal blog page, built with Flask, Postgres, SQLAlchemy. Posts written in Markdown are stored in database, with page views rendered via Flask.

Education

Teachers College, Columbia University

2018 - 2019

Masters in Education

Boston Architectural College

2007 - 2013

Bachelor of Design studies

Certifications

- 100 Days of Code: The Complete Python Bootcamp
- The Odin Project: Fullstack Javascript
- Princeton University: Algorithms Part I
- Build a Modern Computer from First Principles: From Nand to Tetris

Interests

Running marathons, hiking/backpacking, ceramics, literature