STEPHAN FITZPATRICK

SOFTWARE ENGINEER

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AT A GLANCE

Software Engineer with multiple language proficiencies. Stephan's technical blog, journalpanic.com, has previously reached the #1 spot on Hacker News and been featured in the Python Weekly newsletter.

Military Veteran with seven years experience in the Navy as a Mandarin Chinese linguist. Worked at the National Security Agency as an intelligence analyst and software developer.

Volunteer who co-founded PyHawaii and now helps organize SFpython, in particular as a member of the PyBay 2018 organization committee.

Communicator who relishes sharing knowledge either by presenting talks on software engineering or winning debate tournaments. Fluent in Spanish and an intermediate Mandarin Chinese speaker.

SUMMARY

Stephan Fitzpatrick is a seven-year veteran of the United States Navy and a (primarily) self-taught software engineer. Four of his six years on active duty were spent working at the National Security Agency. There, his efforts to automate portions of his workflow as an intelligence analyst through software development led to an almost complete automation of his job. His work resulted in a complete restructuring of an organization of over 60 people due to the tremendous increase in the productivity of his team. For his accomplishments, Stephan received a Joint Service Achievement medal and a special assignment as a military software developer alongside the civilian software engineering team at NSA Hawaii.

On top of his professional experience in Software Development, Stephan co-founded PyHawaii in 2015 -- now the largest and most active programming community in the Hawaiian islands -- organizing events and presenting lessons in Python development to the community. He also volunteers his time and energy to other open-source communities including Code for Hawaii, Code for San Francisco, PyLadies, DjangoGirls, Data for Democracy, and SF Python. He is a member of the organizing committee for PyBay 2018.

Stephan is now utilizing his GI bill as a full-time student at the City College of San Francisco where his interest in machine learning drives his pursuit of an undergraduate degree in statistics. Much of his free time is spent on open-source software development, writing for his blog, competing in forensic debate tournaments, and volunteering.

PROFESSIONAL EXPERIENCE

Kalo   2018-01 - 2018-04
Software Engineer

Squashed bugs and released features utilizing several technologies to include Flask, SQLAlchemy, PostGres, CloudFoundry, AWS, AIOHTTP (for asynchronous work pipelines). Contributed to engineers' training and company's web presence by contributing to company's engineering blog - http://bit.ly/graphql-vs-rest

Real Geeks LLC   2016-02 - 2016-05
Intern

Worked on optimizing high-throughput concurrent data ingestion pipeline using Golang.

National Security Agency US Navy   2012-01 - 2016-05
Software Developer/Intelligence Analyst

Utilized Python, SQL, MongoDB, Flask, Pandas and other tools to analyze information and to create custom tools for other analysts to do the same.

Worked alongside Federal Civilians, Contractors, and other military personnel to execute Information Warfare mission.

US Navy   2010-06 - 2016-05
Mandarin Chinese Linguist

Tasked with providing timely and accurate intelligence to various stakeholders. Granted a unique assignment amongst over 2000 military personnel to be a full-time software developer based on work as an intelligence Page 1 analyst; working alongside National Security Agency Mathematicians, Computer Scientists, and Engineers, to create new software applications and data pipelines for intelligence analysts.

EDUCATION

City College of San Francisco   2016 - Present
Continuing Education

Intent on transferring to 4-year university.

Successful parliamentary debater -- State Gold Medalist in open division.

Acted as officer of Alpha-Beta-Gamma Business Honors Society.

Inter-Club Council Officer.

- Software Engineering Fundamentals in C++
- Advanced Python
- Advanced iOS development with Swift
- Symbolic Logic
- Modern Philosophy through Kant
- Debate (specializing in Parliamentary)

Defense Language Institute   2010 - 2012
Associate of Arts

Attended the Department of Defense's most rigorous and prestigious language-training program; graduating with an Associate's Degree in Mandarin Chinese. 3.6 GPA

SKILLS

Data Engineering

- Postgres
- Sqlite3
- MySQL
- MongoDB
- SQLAlchemy
- PonyORM
- Pandas
- Matplotlib
- Jupyter

Web Development

- Django
- Pyramid
- Flask
- apistar
- requests
- aiohttp

Devops

- BASH
- RHEL/CentOS
- Debian/Ubuntu
- Docker
- AWS
- CloudFoundry
- Git

Software Engineering

- Python
- Go
- C++
- Swift
- F#

Public Speaking

- Debate
- Theatre and Improv
- Fluency in Spanish
- Intermediate proficiency in Mandarin, Chinese