



PROFILE

Highly skilled Software Engineer with 7+ years of experience building quality software applications at scale. Strong communicator and problem-solver with a track record of delivering robust and extensible infrastructure. Experienced in working with complex federal & agency regulations in financial and healthcare sectors.

CONTACT

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SKILLS

Languages:
(Main) Python, Java, Typescript, HTML/CSS (Familiar) C, C#, C++, Go, Ruby, Solidity

Tools/Frameworks/Libraries:
Git, FastAPI, Flask, Spring, React.js, Jupyter, numpy, pandas, fastai, PyTorch, opencv, MATLAB

Database/Search:
MongoDB, PostgreSQL, Elasticsearch

Cloud/Infrastructure:
Docker, Kubernetes, Helm, AWS, GCC

HOBBIES

Visual art (painting, drawing, ceramics), recording music (guitar, piano, singing), hiking, nature, travel

FIRAS SATTAR

SOFTWARE ENGINEER

EDUCATION

Rutgers University – New Brunswick, School of Arts and Sciences

Bachelor of Science in Computer Science – Mathematics Minor
Sept. 2012 – May 2016

WORK EXPERIENCE

Freelance Work

2022 – Present

- Tech consulting for **Danni Pose Studios** and mentoring on **codementor.io**

Principal Product Support Engineer, Feathr Inc.

October 2023 – October 2024

- Feature development, hotfixes, enhancements for a nonprofit marketing platform. Software engineering with an emphasis on customer success.
- Lead triage team in identifying patterns in incoming tickets and resolving underlying code issues before outages became widespread.

Fin3 Technologies Inc., Blockchain Engineer

March 2022 – July 2022

Fin3 is a startup that develops blockchain-based payment solutions.

- Orchestrated integration of banking software with payment networks like Stellar and Provenance, collaborating with third-party development teams to meet strict regulatory requirements.
- Built a robust framework for custodial wallet management using Fortanix to handle secure creation and cycling of keys.
- Increased development team efficiency by automating CI/CD workflows using GitHub Actions.

IBIS Inc., Software Engineer

Nov 2017 – March 2022

IBIS specializes in medical imaging solutions, primarily in the regulated Clinical Research space.

- Conducted research and development on medical image de-identification, resulting in securing \$1,600,000 in grant money. (**SBIR 411 and 427**)
- Developed AI-powered anonymizer for DICOM medical images, facilitating HIPAA-compliant use of data in cancer research applications.
- Created containerized Python application for secure medical data transmission and retrieval using Elasticsearch, meeting sub-second performance requirements.
- Contributed to successful audit through system testing and validation efforts. (**21CFR Part 11**)

IDT Corporation (Products and Services Platform), Software Engineer

Jul. 2016 – Nov 2017

The Products and Services Platform (PSP) is responsible for 47% of IDT revenue. As a member of the development team supporting PSP:

- Created configurable call simulators for testing flagship calling app Boss Revolution Mobile.
- Developed a Java application to assess customer call, data, and SMS eligibility based on standing and initiate account status changes.
- Built a full-stack user account management application using React.js.