FIRAS SATTAR

SOFTWARE ENGINEER

PROFILE

Highly skilled Software Engineer with 5+ 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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(732)-682-0887

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SKILLS

Languages:
Python, Java, C, C#, C++, Go, HTML/CSS, Javascript

Frameworks/Libraries/Toolsets:
FastAPI, Flask, Spring, numpy, pandas, fastai, PyTorch, opencv, Jupyter, MATLAB

Database/ORM:
Oracle, MongoDB, PostgreSQL, Elasticsearch, Hibernate

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

HOBBIES

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

EDUCATION

Rutgers University – New Brunswick, School of Arts and Sciences
Bachelor of Science in Computer Science – Mathematics Minor
Sept. 2012 – May 2016

WORK EXPERIENCE

Freelancer & Part-Time Contractor
July 2022 - Present

- Senior Technology Consultant at **Danni Pose Studios, Inc.:** Advising on software architecture & usability, building software MVPs for a small team at an early-stage startup.
- Mentor at **Codementor.io:** Freelance Python/Java development, one-on-one Programming and Mathematics tutoring via Zoom.

Fin3 Technologies Inc., Software Engineer
March 2022 – July 2022
Fin3 is a startup focused on connecting banking cores with blockchains. Their Blockchain Interface System (BIS) allows customers to seamlessly convert traditional currency to tokenized stablecoin for transacting on the blockchain.

- Contributed to backend integration of core BIS software with blockchains like Stellar and Provenance, communicating regularly with third-party development teams to meet stakeholder requirements.
- Built a robust framework for custodial wallet management with secure key generation and rotation using Fortanix API.
- Automated publishing of code packages and other CI/CD processes using GitHub Actions scripts.

IBIS Inc. – EICON, Software Engineer
Nov 2017 – March 2022
IBIS specializes in medical imaging solutions, primarily in the regulated Clinical Research space. Using a robust clinical data management platform, IBIS provides high-end data management solutions to the life sciences/healthcare communities.

- Developed an AI and computer vision-based data anonymizer to automate redaction of sensitive information from medical imaging data, addressing privacy requirements for data used in research.
- Conducted research and development on DICOM de-identification, resulting in securing a $400,000 grant. **(SBIR 411 and 427)**
- Created validated, HIPAA-compliant Python Docker service for secure transmission of medical imaging data.
- Developed a configurable DICOM metadata extraction tool utilizing Elasticsearch to meet sub-second performance requirements for enterprise Pharma customers.
- Participated in formal validation of software platform by conducting system testing leading to a successful audit. **(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 (BR Mobile).
- Developed a Java application to assess customer call, data, and SMS eligibility based on standing and initiate account status changes.
- Built a front-end account management application (WebAdmin) using React.js.