

EMAD SIDDIQ

emadsiddiq@berkeley.edu | www.esiddiq.com | +1 (510) 990-5437 | San Francisco, CA

EDUCATION

University of California, Berkeley

Bachelor of Arts in Data Science and Political Economy

August 2017 - May 2021, Berkeley, CA

GPA: 3.24

EXPERIENCE

Software Engineer I

Flexport Inc.

San Francisco, CA

November 2022 - Present

- Software Engineer I on the Identity & Access Management (IAM) Team
 - Implemented custom OAuth flows for IAM team's new Identity and Authorization Services (JWTs, HTTP servers & Java)
 - Led the completion of multi-app Login & User Sign Up and its uptake by various internal app teams
 - Added a custom test coverage generator for GitHub PR using pandas and Jacoco for our CI/CD pipeline
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Software Engineer

Fin3 Technologies Inc.

New York, NY

January 2022 - October 2022

- Designed and deployed a program with minikube and Docker to create tokenized deposits on the Stellar network
 - Designed smart contracts for deployment on Provenance, a proprietary proof-of-stake blockchain
 - Created a containerized application in Java Spring Boot to interact with a core banking API
 - Programmed an auto email reporting system for Bitcoin hashrate monitoring application with Python & Docker
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PROJECTS

Good News

- Applied Sentiment Analysis using Python & NLTK, to rank the positive of news articles from NewsAPI
- Tackled the flood of negative news following the pandemic by gathering good news from 50+ news sources

Tech-Khwani

- Leveraged Google Colab's free resources to teach CS fundamentals with no prerequisites to Pakistani students
 - Tutorials included: training a neural network to predict housing prices in Islamabad
 - Mined 10 years archives for Pakistan's leading newspaper Dawn.com, using BeautifulSoup on a remote server
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Frameworks: Springboot, Helm, Kubernetes, Docker, Minikube, Stellar Blockchain, React, Scikit-Learn, TensorFlow, NLTK, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, AWS, PostgreSQL, Apache Camel, Ethereum, NextJS, Pandas, TensorFlow, Flask, PostgreSQL

Languages: C, Java, R, Python, SQL, Julia, C++, C#, Scheme, HTML, CSS, Javascript, PHP, Ruby, Objective-C