

EMAD SIDDIQ

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EDUCATION

University of California, Berkeley

Bachelor of Arts in Data Science and Political Economy

August 2017 - May 2021, Berkeley, CA

GPA: 3.24

Relevant Courses

Machine Learning (CS 189), Probability (STAT 140), Analysis of Algorithms (CS170), Econometric Analysis (ECON 141), Data Science (DS 100), Linear Algebra (MATH 54), Stochastic Processes (INDENG 173)

EXPERIENCE

Software Engineer I | Identity & Access Management

Flexport Inc.

San Francisco, CA

November 2022 - Present

- Led a pivotal in-house User Sign-up and OAuth project in pure Java, driving the development of a fast and secure authentication system for OAuth authorization and client credentials (M2M) flows through token exchange APIs
- Seamlessly integrated Flexport's two acquisitions, Deliverr and Shopify Logistics, to maintain a unified login experience
- Helped save \$250,000 annually by sunsetting our Auth0 subscription and drove development velocity by recording instructional videos to onboard developers asynchronously across time zones for making changes to the IAM repo
- Created comprehensive adoption documentation and technical specifications, fostering rapid adoption by internal teams
- Contributed to post-project analysis, identifying opportunities for system improvements and future enhancements.
- Added a custom test coverage Github PR comment generator to our CI/CD pipeline using pandas and Jacoco

Software Engineer

Fin3 Technologies Inc.

New York, NY

January 2022 - October 2022

- Gained expertise from FinTech veterans in blockchain cryptography, smart contract development and dApp architecture
- Deployed smart contracts to Provenance, a proprietary proof-of-stake chain, powered by the Tendermint BFT engine
- Designed a containerized Java dApp to AWS for creating tokenized deposits on the Stellar global payment network
- Engineered a daily morning email generator for Bitcoin hashrate monitoring for bankers lending to bitcoin miners
- Conducted extensive testing, auditing and deployment of web3 applications in Rust using CosmWasm and Cosmos SDK
- Collaborated with UX/UI teams to design user-friendly to create a Java Spring Boot containerized dApp banking API

PROJECTS & SKILLS

Good News: Applied Sentiment Analysis using Python & NLTK to collect all positive news from the Internet

Dawn: Mined 10 years archives for Pakistan's leading newspaper Dawn.com, using BeautifulSoup in a remote setup

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

Frameworks: PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, Springboot, Kubernetes, Docker, Minikube

React, Scikit-Learn, TensorFlow, NLTK, AWS, PostgreSQL, Ethereum, Next.js, PostgreSQL, HTTP, GraphQL, Grafana