

# EMAD SIDDIQ

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## EDUCATION

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**University of California, Berkeley**

August 2017 - May 2021, Berkeley, CA

Bachelor of Arts in Data Science and Political Economy

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

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**Flexport Inc.** | Software Engineer I

San Francisco, CA

Identity & Access Management team

November 2022 - Present

- Led a pivotal in-house User Sign-up and OAuth overhaul project in pure Java, driving the development of a fast and secure authentication system and token exchange services for OAuth authorization code and client credentials (M2M) flows
- 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

**Fin3 Technologies Inc.** | Software Engineer

New York, NY

Blockchain and Smart Contracts

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
- Containerized a Java dApp for creating tokenized deposits on the Stellar global payment network and deployed it to AWS
- Designed and deployed a daily morning Bitcoin hashrate email generator 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

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**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, GraphQL, HTTP, GraphQL, Grafana