

# EMAD SIDDIQ

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## EDUCATION

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**University of California, Berkeley**  
2021

August 2017 - May

Bachelor of Arts in Data Science and Political Economy  
GPA: 3.24

**Relevant Courses:** Machine Learning (CS 189), Stochastic Processes (INDENG 173), Probability Theory (STAT 140), Advanced Algorithms (CS170), Econometric Analysis (ECON 141), Linear Algebra (MATH 54)

## EXPERIENCE

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**Flexport Inc.** | Software Engineer I (Identity & Access Management)

November 2022 - Present

- As part of a critical platform infrastructure team, I led a pivotal User Sign-up and OAuth overhaul project to replace existing identity and authentication flows with in-house containerized Java microservices
- Seamlessly integrated Flexport's acquisitions, Deliverr and Shopify Logistics, for a unified login experience
- Created comprehensive adoption documentation and technical specifications for the new services
- Worked with multiple teams and fostered rapid uptake of the new services by recording instructional videos for onboard new developers across timelines, in order to meet customer-team's project requirements
- Helped save \$250,000 by sunseting Auth0 and rewiring existing Ruby on Rails apps to use the new APIs
- Added a Github PR code coverage generator to the CI/CD pipeline using Jacoco and Github Action

**Fin3 Technologies Inc.** | Software Engineer I

January 2022 - October

2022

- Gained expertise from FinTech veterans in smart contract development and blockchain cryptography
- Deployed smart contracts to Provenance, a proprietary proof-of-stake chain, powered by Tendermint core
- Containerized AWS-based Java dApps for creating tokenized deposits on the Stellar network
- Designed and deployed a morning Bitcoin hashrate email generator for bankers interested in bitcoin miners
- Conducted extensive testing and deployment of Rust dApps with CosmWasm and Cosmos SDK
- Integrated bank applications with Fin3 services for instant bank payments based on a distributed ledger

## 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

env

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

**Frameworks:** Java Spring Boot, Kubernetes, Docker, Minikube, Next.js, nginx, React Native, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, Scikit-Learn, TensorFlow, NLTK, AWS, Ethereum, PostgreSQL, HTTP, GraphQL, Grafana, GitHub Actions, Linux, REST, SQL, HTTP protocol, JWT, TCP/IP, Ruby on Rails