

EMAD SIDDIQ

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EDUCATION

University of California, Berkeley

August 2017 - May 2021

Bachelor of Arts in Data Science and Political Economy

GPA: 3.24

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

EXPERIENCE

Flexport Inc. | Software Engineer I (IAM)

November 2022 - Present

- Led a pivotal User Sign-up and OAuth overhaul project to replace existing identity and authentication flows with in-house identity, authentication and authorization microservices in pure Java for the utmost security
- Created comprehensive adoption documentation and specifications for the new services and recorded instructional videos to onboard new developers, fostering rapid uptake by various internal teams
- Helped sunset Flexport's vendor Auth0, saving \$250,000 annually by rewiring legacy to the new services
- Seamlessly integrated Flexport's acquisitions, Deliverr and Shopify Logistics, for a unified login experience
- 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

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