

# EMAD SIDDIQ

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## EDUCATION

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**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 Theory (STAT 140), Advanced Algorithms (CS170), Econometric Analysis (ECON 141), Linear Algebra (MATH 54)

## EXPERIENCE

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**Flexport Inc.** | Software Engineer I (IAM)

Nov 2022 - Nov 2023

- Led a critical User Sign-up and OAuth overhaul project, replacing legacy identity and authentication flows with containerized Java micro-services, resulting in a 90% reduction in user sign-up time
- Fostered rapid uptake of the new services by onboarding new developers across time zones with detailed guides
- Regularly performed on-call duties using telemetry frameworks (Grafana, Datadog & Sumologic) & PagerDuty
- Seamlessly integrated Flexport's acquisitions, Deliverr and Shopify Logistics, for a unified login experience
- Saved \$250,000 by sunseting Auth0 and rewiring existing Ruby on Rails apps to use the new in-house APIs
- Added a Github pull request test coverage generator to the CI/CD pipeline using Jacoco and Github Action

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

Jan 2022 - Oct 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 the Tendermint core
- Containerized AWS-based Java dApps using Docker for creating tokenized deposits on the Stellar network
- Designed and deployed a Bitcoin hash-rate monitoring system for bankers interested in bitcoin miners' hash-rate
- 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

## SKILLS

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### Languages

C, Java, R, Python, Julia, C++, C#, Go, Rust, Golang, TypeScript, Pascal, React, CSS, Javascript, PHP, Ruby

### Frameworks

Spring Boot, Kubernetes, Minikube, Next.js, nginx, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, Maven, TensorFlow, AWS, EVM, PostgreSQL, HTTP, GraphQL, Grafana, Linux, REST, SQL, HTTP, JWT, scikit-learn, NLTK, SSO, MFA, OAuth 2.0, S3, OIDC, RBAC, Gradle, Bazel, Keras, Pandas, Sentry, GPU, LLMs, Kafka, Spark, CUDA