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

EXPERIENCE

Flexport Inc. | Software Engineer I (IAM)   November 2022 - Present

- Spearheaded and executed 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
- Created detailed adoption guides and technical specifications for the new services, leading to rapid uptake by internal teams and accelerating OAuth uptake and integration time for new apps from 2 weeks to 2 hours
- Fostered rapid uptake of the new services by onboarding new developers across time zones using pre-recorded instructional videos, resulting in parallelization of the uptake process and great feedback from the teams
- Seamlessly integrated Flexport's acquisitions, Deliverr and Shopify Logistics, for a unified login experience
- Saved $250,000 by sunsetting 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   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 the Tendermint core
- Containerized AWS-based Java dApps 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

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

Frameworks: Spring Boot, Kubernetes, Docker, Minikube, Next.Js, nginx, React Native, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, scikit-learn, TensorFlow, AWS, Ethereum, PostgreSQL, HTTP, GraphQL, Grafana, Linux, REST, SQL, HTTP protocol, JWT, TCP/IP, Ruby on Rails, Polygon, SSO, MFA, OAuth2.0, OIDC, RBAC, Zero Trust