EMAD SIDDIQ

emadsiddiq@berkeley.edu | www.esiddiq.com | +1 (510) 990-5437 | San Francisco, CA

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

- 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 micro-services
- Created comprehensive adoption documentation and technical specifications for the new services
- Seamlessly integrated Flexport's acquisitions, Deliverr and Shopify Logistics, for a unified login experience
- Worked with multiple teams and fostered rapid uptake of the new services by recording instructional videos to onboard new developers across time zones, in order to meet dynamic project requirements and deadlines
- Helped save $250,000 by sunsetting 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 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

Projects

• Good News: Applied Sentiment Analysis using Python & NLTK to collect all positive news from the Internet
• Dawn: Mined 10 years of archives for Pakistan's leading newspaper Dawn.com, using BeautifulSoup

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