A N D Y C H E N

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SUMMARY

A senior **DevOps/Full-stack engineer**, with proven experience of event streaming architecture with **Kafka**, container orchestration in **Kubernetes/EKS**, provision configuration with **Terraform**, and GitOps process with **ArgoCD**. I currently hold **Certified AWS Solutions Architect Associate, Certified Kubernetes Administrator,** and **Certified Terraform Associate**. I am looking to join a team to work on improving developer experience, building scalable cloud infrastructure, and process automation.

PROVEN TECHNICAL SKILLS

Infrastructure	Microservice architect with docker/**Kubernetes**, **Kafka**/streaming architect, Protocol Buffer Data model design, gRPC
SRE/DevOps	Certified **AWS** Solutions Architect, Certified Kubernetes Administrator, CICD pipelines, Certified **Terraform** Associate, Newrelic, Prometheus, **ArgoCD**
Agile Full-stack	RESTful/**GraphQL** API, Express, MongoDB/SQL, **React**, Scrum Master (PSM I)
Languages	Typescript/Nodejs, Golang, Bash scripts, Python/PHP/JAVA

EXPERIENCE

Turo, San Francisco — **Senior DevOps Engineer**   06/2020 - present

- Build and own all Terraform modules, migrated 30+ microservices from self-host cluster to EKS
- Provisioned and administered 6 Kubernetes clusters, regularly upgrade core service/plugins including, CoreDNS, Ingress, CNI, RBAC setup, k8s controllers
- Managed AWS infrastructure, database migration and enable cross-account access for multiple AWS resources/DB accesses
- Improved monitoring velocity with Newrelic alerts/APM
- Established internal GitOps culture with ArgoCD, Github actions, and Terraform

Minted LLC, San Francisco — **Senior Infrastructure Engineer - Architecture**   03/2019 - 04/2020

- Authored Kafka python/typescript client library used by all engineers across the engineering department and managed AWS MSK clusters with 100 RPS.
- Owned the overall protocol buffer development process of compiling, testing, and deploying, and drove proto3 migration by leveraging "prototool", Bash scripts, and dockers.
- Configured Ansible YAML files and refactored Helm charts to scale Flink/Beam data pipeline from one to N cluster and prepared chaos engineering by enabling high availability mode.
- Improved internal tooling and speeded up Jenkins continuous testing/deployment pipelines by 5 times.

EDUCATION

University of California, Berkeley — **Bachelor of Science, Cognitive Science**   06/2016 - 07/2018

The first and only student completing all 3 blockchain courses (Blockchain for Developers, Blockchain Lab,

Blockchain Fundamental). Certificate in Entrepreneurship & Technology from SCET and served as Tech Chair in Senior Class Council 18. Completed courses included Data Vis., Computer HCI, Cognitive Science, Linguistics, Data Structure, Discrete Math, and Machine Learning.

Top 3 of Draper University 2018 cohort

Developed a serverless, stateless architecture to deliver the first-of-its-kind full-node monitoring service

YC Startup School 19 Certificated Entrepreneur

Launched DecoHash, a Hashtag data mining service built with AWS Lambda, route53, s3, and elastic stack

PROJECTS/MENTORSHIPS

mern - a famous popular MERN stack application boilerplate

A MERN stack application boilerplate, built with MongoDB, Express, React/Redux, Nodejs. With continued iteration within the past 3 years, it has been one of the most popular MERN-stack starter kits on the internet.

Leptin - A PoW blockchain built completely in NodeJS

Built a Proof of working blockchain completely in NodeJS, supporting mining with dynamic difficulty, wallets, transactions, using the technology of WebSocket, secp256k1 encryption.

NodeSchool SanFrancisco Chapter

Serve as a regular monthly mentor at NodeSchool SF and Oakland chapter for more than 3 years, mentoring topics in everything about NodeJS and general software engineering. (before COVID19)

HODL DEX - an exchange for ERC20 token - HODLC

Work directly with the CEO to architect and build the crypto exchange from the ground up, built with React/Redux/web3/solidity and support multiple wallet connections and multiple languages. Debug and on-call on a daily basis. Serve for 10K+ users. (continue growing)