

ANDY CHEN

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SUMMARY

A senior **DevOps/Full-stack engineer** with proven experience in container orchestration with **Kubernetes/EKS**, provision of AWS resources with **Terraform**, and establishing GitOps process with the latest toolchains such as **ArgoCD**. Holding **Certified AWS Solutions Architect, Certified Kubernetes Administrator, Certified Terraform Associate, and Linux Foundation Certified System Administrator**. I am looking to join a team to work on improving developer experience, building scalable cloud infrastructure, and process automation.

PROVEN TECHNICAL SKILLS

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|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

- Authored and owned all Terraform modules and worked with security team to provide enterprise-grade infrastructures.
- Migrated 30+ microservices from self-host cluster to EKS and established internal GitOps culture with ArgoCD, Github actions, and Terraform.
- Built and managed all 10+ Kubernetes clusters and 50+ services across all environments and troubleshooting and maintaining clusters on a daily basis.
- Managed AWS infrastructure and database migration and enabled cross-account access for multiple AWS resources/DB accesses
- Improved monitoring velocity with Newrelic alerts/APM

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