


JAMES CHUNG

ABOUT ME

Ever curious polyglot developer with 6+ years of experience ranging from large data warehouses for investment transactions, DevOps/GitOps development, cloud security focused development, serverless architectures, microservice architectures and front-end development. Loves to spend my free time learning and lives for a good challenge.

CONTACT ME

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 Austin, TX

WORK EXPERIENCE

SENIOR CLOUD ENGINEER, MCKINSEY & COMPANY, AUSTIN, TX

JAN 2022 - PRESENT

- Lead a modernization development effort for a client, leveraging serverless technologies in AWS (API Gateway, Lambda, Eventbridge) to interface with older systems and migrate to an event driven system.
- Developed GitLab CI/CD pipelines, Terraform as the core IaC, and secure policies for all repositories and associated pipelines.

STAFF SOFTWARE ENGINEER, OUTDOORSY, AUSTIN, TX

JUL 2021 - NOV 2021

- Responsible for all AWS accounts, infrastructure & resources across the company and migration to GCP.
- Lead modernizing development efforts to transition into more cloud centric serverless workloads jobs and APIs in GCP ie. Cloud Functions, Cloud Run, Pub/Sub, App Engine.
- Development of CI/CD workflows & infrastructure in GCP and subsequent interactions with GitHub/GitHub Actions, Kubernetes/GKE and Terraform.
- Developed Observability with Datadog across all internal & external APIs (go, python, javascript). ie. Distributed Tracing, APM, Stack Tracing, Alerting & Monitoring, etc.

CLOUD APPLICATION ARCHITECT, AMAZON WEB SERVICES, AUSTIN, TX

FEB 2021 - JUL 2021

- Lead the development of an Apollo Federation GraphQL API service utilizing docker containers/AWS Fargate, Application Load Balancer/ASGs, and API Gateway. Additionally a serverless downstream GraphQL API implementing the Federation interface with CDK as the IaC
- Architected a serverless REST application in conjunction with existing containerized microservice applications for a highly scalable and cost-effective solution
- Developed serverless end-to-end full-stack app leveraging React, Amplify Framework, Cognito, AppSync, API Gateway, FastAPI, Lambda and DynamoDB

SECURITY CONSULTANT, AMAZON WEB SERVICES, ARLINGTON, VA

DEC 2020 - JAN 2021

- Lead the development of an automated IAM least privilege solution leveraging both internal code and OSS solutions with GitOps tooling, EC2, Security Hub, Service Now, DynamoDB, and Lambda

ASSOCIATE SECURITY CONSULTANT, AMAZON WEB SERVICES, ARLINGTON, VA

FEB 2020 - DEC 2020

- Developed a custom Service Control Policy deployment pipeline with GitLab CI/CD & Terraform
- Developed serverless Access Analyzer auto archive solution for preexisting findings
- Developed serverless static code analysis tool to analyze IaC code for Terraform & CloudFormation

ASSOCIATE CLOUD DEVELOPER, AMAZON WEB SERVICES, HERNDON, VA

JAN 2019 - FEB 2020

- Integrated disparate IoT devices with AWS IoT Core, ECS, and Eclipse Mosquitto
- Developed AWS custom Config Rules leveraging RDK
- Architected bespoke serverless AWS root account strategy utilizing AWS Organizations, DynamoDB, Step Functions, Lambda, Pinpoint, EventBridge, SNS, and deployment through Terraform/GitLab CI/CD

APPLICATION DEVELOPER, T. ROWE PRICE, OWINGS MILLS, MD

DEC 2016 - DEC 2018

- Rewrote internal .NET Framework data warehouse application from VB.NET to C#
- Developed secure CI/CD pipelines leveraging, GitLab CI/CD, Jenkins, and HashiCorp Vault

EDUCATION

UNIVERSITY OF RHODE ISLAND, KINGSTON RI, BACHELORS IN COMPUTER SCIENCE

2011 - 2016

- Minor in Cyber Security

CERTIFICATIONS

- Amazon Web Services Solutions Architect - Professional
- Amazon Web Services DevOps Engineer - Professional
- Amazon Web Services Security - Specialty
- Certified Kubernetes Application Developer (CKAD)
- Amazon Web Services Solutions Architect - Associate
- Amazon Web Services Developer - Associate
- Amazon Web Services SysOps Admin - Associate
- HashiCorp Certified: Terraform Associate

SKILLS

- Python
- Go
- Rust
- TypeScript
- JavaScript
- NodeJS
- Terraform
- Kubernetes
- Docker
- Shell/Bash
- Unix/Linux