CODY CHINOTHAI

San Diego, CA | Cloud | DevOps | Software Automation

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Cloud engineer focused on designing, deploying, and automating scalable, highly available systems with a DevOps mindset. Experienced in infrastructure as code, CI/CD pipeline automation, and secure, resilient cloud architectures to accelerate development cycles, optimize operations, and drive innovation for modern organizations.

Experience

Associate Cloud Engineer
March 2025 – August 2025

San Diego Gas & Electric - Cloud Platform Engineering · *San Diego, CA*

- Spearheaded the development of a critical cloud infrastructure project utilizing AWS event-driven architecture to automate IP reclamation, saving **8+ hours** of asynchronous account management processes.
- Designed and implemented **AWS Lambda** functions with **Python** integrated within an Eventbridge workflow, dynamically updating NoSQL records for efficient account lifecycle tracking.
- Enhanced **CI/CD pipelines** via **Terraform, Github Actions and Jenkins**, ensuring 100% consistency and reproducibility for multi-environment AWS deployments through robust IaC practices.
- Achieved **20% cost reduction** in cloud resource utilization while maximizing resiliency of microservice environments by applying up-to-date AWS best practices and cloud security measures.

Associate Software Engineer
June 2024 – March 2025

San Diego Gas & Electric - Work Management · *San Diego, CA*

- Engineered full-stack web applications using **React, Typescript and Node.js**, creating responsive interfaces with scalable backend solutions, using **AWS Cloudwatch** for observability and monitoring.
- Designed and delivered an **AuroraDB**-based optimization, upgrading versions using **blue/green deployment** and reducing SQL query latency by 70% to improve system responsiveness for users.
- Diagnosed and resolved critical access failures for 25+ business clients using AWS Lambda and **WAF** to **avoid a 50% reduction** in weekly customer deliveries.
- Optimized **Microsoft Copilot Studio agents** to improve developer workflow in expanding unit test coverage, accelerating documentation efforts and streamlining redundant Azure DevOps tasks.

Software Developer IT Intern
May 2023 – August 2023

San Diego Gas & Electric · *San Diego, CA*

- Leveraged **Spring Boot** to develop, test, and refactor **REST API** endpoints, optimizing customer interface workflows within cross-functional teams and generating a 20% improvement in data retrieval speed.
- Developed a custom **Java** automation tool to accelerate the auditing of business requirements **by 80%.**

Projects

End-to-End AWS CI/CD Pipeline
October 2025

- Automated a cloud-based CI/CD system for Java/Maven and Node web applications, integrating seamless **Docker** image versioning to speed up deployment time and rollback by 20%.
- Defined reproducible environments with **AWS CloudFormation**, eliminating configuration drift and manual effort.
- Integrated secure dependency management with **CodeArtifact** to improve pipeline reliability for multi-team usage.

Backend Deployment with Kubernetes
November 2025

- Provisioned and configured EC2 instance for deployment orchestration via **Amazon EKS**, supporting scalable production workloads.
- Streamlined deployment pipeline by integrating **Elastic Container Registry** for automated and versioned Docker image pulls - **accelerating release cycles by 50%.**
- Validated system reliability by testing automated node recovery mechanisms and self-healing.

Technical Skills

Languages: Python, Javascript, Terraform, React, MySQL, NoSQL, Typescript,
Technologies/Frameworks: Lambda, CloudWatch, ECS, Docker, Kubernetes, Linux, S3, DynamoDB, Eventbridge, Git, Github, Jest, MongoDB, Agile, Kanban
Certifications: AWS Cloud Practitioner, AWS Certified Developer Associate

Education

San Diego State University
September 2020 – May 2024

B.S. Computer Science — 3.93 GPA · *San Diego, CA*