

Casey Key

• [Portfolio](#) • hey@keycasey.com • [\(307\) 224 - 2940](tel:(307)224-2940)

OBJECTIVE: Leverage expertise in AWS and DevOps to launch full-stack web applications,

TECHNICAL SKILLS:

- Python, React, TypeScript
 - Docker, AWS, EKS
 - Prometheus, Grafana, DevOps
-

PROFESSIONAL EXPERIENCE:

Applications Developer Oracle, *Belmont, CA* April 2024 – Present

- Improved test reporting across many teams by launching a web application with a Python API,
- Delivered 11 React pages for DevOps reports, artifact management, and build environment utilities,
- Built reusable front-end components to ensure a consistent UI across the organization's applications,
- Enhanced application security by upgrading Python-based applications to the latest version.

Software Engineer Amazon, *Los Angeles, CA* August 2022 – April 2024

- Architected cloud-native application using AWS EC2, EKS, and IAM to streamline large-scale data ingestion processes, enhancing user onboarding efficiency by 10x,
- Implemented AWS CloudWatch custom monitoring and alert solution to reduce support tickets,
- Ensured web application resilience and security with AWS CDK and Kubernetes,

Senior Software Engineer Capital One, *Plano, TX* August 2021 – August 2022

- Reduced data pipeline latency by 30% using Infrastructure as Code (Terraform) and AWS EC2,
 - Implemented secure, automated data streaming solutions via Docker and Kubernetes,
 - Improved data registration by architecting a Chrome extension to enforce strict metadata standards.
 - Accelerated file transfers by architecting a self-service data registration and streaming pipeline.
-

INTERNSHIP EXPERIENCE:

DevOps Engineer Bongo, *Loveland, CO* August 2019 – May 2021

- Fortified web application services by building custom monitoring tooling,
- Automated 73 quality assurance tests with Ruby and Jenkins for their React B2C app.

Nat. Sec. Cloud Consultant AWS, *Herndon, VA* May 2020 – August 2020

- Architected self-service virtual desktop solution to reduce end-user's procurement time by 85%,
 - Satisfied customer requests for highly available RESTful services after project demos.
-

CERTIFICATIONS:

- AWS Certified Developer - Associate February 2022
-

RELEVANT COURSEWORK:

- Web Technologies (GCP)
 - Computer Security
 - Foundations of Artificial Intelligence
-

EDUCATION:

University of Southern California, *Los Angeles, CA* Expected May 2027

- M.S. in Computer Science for Artificial Intelligence