

# Casey Key

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**OBJECTIVE:** Build scalable solutions as a full-stack engineer and DevOps professional.

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## TECHNICAL SKILLS:

• Python, React, TypeScript • Docker, AWS, Redis • Terraform, Kubernetes, SQL

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## PROFESSIONAL EXPERIENCE:

Applications Developer Oracle, *Redwood Shores, CA* April 2024 – Present

- Launched a release management web application for coordinating quality checks across products,
- Built dynamic DevOps reports for artifact management using React, Zustand, and TanStack Query,
- Released analytics dashboard using reusable components to maintain a consistent UI across apps,
- Enabled asynchronous test case management using Celery, Redis, and a Python DRF REST API,

Software Engineer Amazon, *Santa Monica, CA* August 2022 – April 2024

- Streamlined data registration with bulk registration feature for large-scale React-based data catalog,
- Built API endpoints using Java, schema models, and tested using dependency injection via Guice,
- Investigated application downtime via automation using AWS CloudWatch and CloudTrail,
- Managed web application infrastructure and security with AWS CDK, CloudFormation, and SAM,
- Implemented cascading data filters for DevExtreme React Data Grid integrated with TypeScript,

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

- Reduced data pipeline latency by 30% by implementing multithreading for Kafka streams,
  - Architected fast and secure data streaming solution using a Go gRPC API, Docker, and Kubernetes,
  - Improved data registration by developing a Chrome extension to enforce strict metadata standards,
  - Accelerated file transfers by architecting a self-service data registration and streaming pipeline,
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## INTERNSHIP EXPERIENCE:

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

- Fortified WebRTC services by building custom tools for monitoring STUN/TURN servers,
- Automated hundreds of end-to-end React user interface tests with Ruby, Capybara, and Jenkins,

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

- Architected self-service virtual desktop solution to reduce end-user's procurement time by 85%,
  - Released highly available RESTful service for Active Directory management via LDAP and Python,
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## EDUCATION:

University of Southern California, *Los Angeles, CA*

- M.S. in Computer Science for Artificial Intelligence

## CERTIFICATIONS:

- AWS Certified DevOps Engineer - Professional

## RELEVANT COURSEWORK:

- Web Technologies (GCP) • Machine Learning • Foundations of Artificial Intelligence