

# Casey Key

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

**SUMMARY:** Engineer passionate about building fast, reliable systems for global impact.

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## TECHNICAL SKILLS:

- Python, Next.js, Go
  - Docker, Kubernetes
  - PostgreSQL, DevOps, CI/CD
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## PROFESSIONAL EXPERIENCE:

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

- Built and launched a scalable release management tool supporting 13780 users with high reliability.
- Mentored new developers, facilitating knowledge transfer and collaborative problem-solving.
- Implemented AI-powered automation to optimize DevOps workflows and artifact management.
- Led onboarding and support for users, resolving bugs, gathering feedback, and refining key features.
- Efficiently ingested data sources with Python, DRF, and Celery for asynchronous data processing.

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

- Developed and optimized C++ and Python-based APIs for large-scale data catalog systems.
- Led junior developers by sharing context, reviewing code, and guiding contributions.
- Delivered flexible CI/CD pipelines with approvals, tests, rollbacks, and branch deployments.
- Designed efficient bulk registration features for large-scale data ingestion pipelines.
- Implemented cascading data filters and interactive UI elements for React-based applications.
- Managed infrastructure security and scalability using AWS CDK, CloudFormation, and SAM.

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

- Managed infrastructure security and scalability using AWS CDK, CloudFormation, and SAM.
  - Developed AI-powered metadata validation tools for data registration and classification.
  - Improved file transfer efficiency by designing a self-service data streaming and processing pipeline.
  - Enhanced real-time analytics by implementing multithreading for Kafka stream processing.
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## INTERNSHIP EXPERIENCE:

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

- 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%,
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## EDUCATION:

Colorado State University, *Fort Collins, CO*

- B.S. in Computer Science

University of Southern California, *Los Angeles, CA*

- M.S. in Computer Science for Artificial Intelligence
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## CERTIFICATIONS:

- AWS Certified DevOps Engineer - Professional