

Casey Key

• [Portfolio](#) • casey.key@pm.me • (307) 224 - 2940

OBJECTIVE: Actively secure assets as a full-stack engineer using Python for tooling and analytics.

EDUCATION:

University of Southern California, *Los Angeles, CA*

Expected May 2025

- M.S. in Computer Science for Artificial Intelligence
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TECHNICAL SKILLS:

- Python, Swift, Dart
 - Kafka, Ruby, C++
 - Encryption, Binary Analysis
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PROFESSIONAL EXPERIENCE:

Software Engineer

Amazon, *Los Angeles, CA*

August 2022 – Present

- Reduced customer support tickets by adding a service status banner during outages,
- Minimized accounting response time by automating expense processing and report deliveries,
- Modernized production web application to improve user experience and reduce technical debt.

Senior Software Engineer

Capital One, *Plano, TX*

August 2021 – August 2022

- Improved data registration by architecting a Chrome extension to enforce strict metadata standards.
 - Maximized data pipeline performance to minimize latency using Kafka, Python, and parallelism,
 - 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 web application services by building custom monitoring tooling,
- Automated 73 quality assurance tests with Ruby and Jenkins for their full-stack B2C app.

Nat. Sec. Cloud Consultant

Amazon, *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.

Cloud Solutions Engineer

Oracle, *Reston, VA*

May 2019 – August 2019

- Improved client's business performance up to 47% using Oracle Cloud for analytics,
 - Decreased social media monitoring to sub-second response time for real-time brand management.
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CERTIFICATIONS:

- AWS Certified Developer - Associate February 2022
 - AWS Certified Cloud Practitioner June 2020
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RELEVANT COURSEWORK:

- Parallel Programming
 - Computer Security
 - Foundations of Artificial Intelligence
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LEADERSHIP:

Treasurer

Cybersecurity Club, *CSU*

Sept 2019 – May 2021

- Financed yearly events such as workshops, competitions, and speakers related to cybersecurity.