

Casey Key

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OBJECTIVE: Optimize asset management with machine learning & analytics as a full-stack engineer.

EDUCATION:

University of Southern California, *Los Angeles, CA*
M.S. in Computer Science - Artificial Intelligence

Expected May 2024

TECHNICAL SKILLS:

- Python, C++, Java
 - Kafka, Ruby, TypeScript
 - Cloud, React, Testing
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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

- Decreased data registration time by implementing data quality rules using a Chrome extension
 - Maximized data pipeline performance for minimum latency using Kafka, Python, and parallelism
 - Improved data quality and onboarding experience by productizing a file-transfer Lambda application
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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 a sophisticated web app

Associate 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
 - Machine Learning
 - Foundations of Artificial Intelligence
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LEADERSHIP:

Technical Interview Mentor CodePath, *Remote* May 2022 – August 2022

- Coached 3 students algorithm implementation and discussion through 8 mock interviews