**Casey Key**

• [Portfolio](https://www.caseyjgkey.xyz/) • [casey.key@pm.me](mailto:casey.key@pm.me) • [(307) 224 - 2940](tel:3072242940)

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

**EDUCATION:**

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| --- | --- |
| University of Southern California, *Los Angeles, CA* | Expected May 2024 |
| M.S. in Computer Science - Artificial Intelligence |  |

**TECHNICAL SKILLS:**

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

**PROFESSIONAL EXPERIENCE:**

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| --- | --- | --- |
| 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

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| --- | --- | --- |
| 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

**INTERNSHIP EXPERIENCE:**

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| --- | --- | --- |
| 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

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| --- | --- | --- |
| 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

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| --- | --- | --- |
| 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

## Certifications:

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| * AWS Certified Developer - Associate | February 2022 |
| * AWS Certified Cloud Practitioner | June 2020 |

**RELEVANT COURSEWORK:**

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| --- | --- | --- |
| * Parallel Programming | * Machine Learning | * Foundations of Artificial Intelligence |

## LEADERSHIP:

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

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