**Casey Key**

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

**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 |  |

**TECHNICAL SKILLS:**

|  |  |  |
| --- | --- | --- |
| * Python, Swift, Dart | * Kafka, Ruby, C++ | * Encryption, Binary Analysis |

**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.

**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.

## Certifications:

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

**RELEVANT COURSEWORK:**

|  |  |  |
| --- | --- | --- |
| * Parallel Programming | * Computer Security | * Foundations of Artificial Intelligence |

## LEADERSHIP:

|  |  |  |
| --- | --- | --- |
| Treasurer | Cybersecurity Club, *CSU* | Sept 2019 – May 2021 |

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