**Casey Key**

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

**OBJECTIVE:**  Leverage expertise in AWS and DevOps to launch full-stack web applications,

**TECHNICAL SKILLS:**

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| * Python, React, TypeScript | * Docker, AWS, EKS | * Prometheus, Grafana, DevOps |

**PROFESSIONAL EXPERIENCE:**

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| Applications Developer | Oracle, *Belmont, CA* | April 2024 – Present |

* Improved test reporting across many teams by launching a web application with a Python API,
* Delivered 11 React pages for DevOps reports, artifact management, and build environment utilities,
* Built reusable front-end components to ensure a consistent UI across the organization’s applications,
* Enhanced application security by upgrading Python-based applications to the latest version.

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| Software Engineer | Amazon, *Los Angeles, CA* | August 2022 – April 2024 |

* Architected cloud-native application using AWS EC2, EKS, and IAM to streamline large-scale data ingestion processes, enhancing user onboarding efficiency by 10x,
* Implemented AWS CloudWatch custom monitoring and alert solution to reduce support tickets,
* Ensured web application resilience and security with AWS CDK and Kubernetes,

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

* Reduced data pipeline latency by 30% using Infrastructure as Code (Terraform) and AWS EC2,
* Implemented secure, automated data streaming solutions via Docker and Kubernetes,
* Improved data registration by architecting a Chrome extension to enforce strict metadata standards.
* Accelerated file transfers by architecting a self-service data registration and streaming pipeline.

**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 their React B2C app.

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| Nat. Sec. Cloud Consultant | AWS, *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.

## Certifications:

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| * AWS Certified Developer - Associate | February 2022 |

**RELEVANT COURSEWORK:**

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| * Web Technologies (GCP) | * Computer Security | * Foundations of Artificial Intelligence |

**EDUCATION:**

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| University of Southern California, *Los Angeles, CA* | Expected May 2027 |
| * M.S. in Computer Science for Artificial Intelligence |  |

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