**Casey Key**

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

**OBJECTIVE:**  Build scalable solutions as a full-stack engineer and DevOps professional.

**TECHNICAL SKILLS:**

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| * Python, React, TypeScript | * Docker, AWS, Redis | * Terraform, Kubernetes, SQL |

**PROFESSIONAL EXPERIENCE:**

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| Applications Developer | Oracle, *Redwood Shores, CA* | April 2024 – Present |

* Launched a release management web application for coordinating quality checks across products,
* Built dynamic DevOps reports for artifact management using React, Zustand, and TanStack Query.
* Integrated reusable front-end components for a consistent UI across the organization’s applications,
* Enabled asynchronous test case management using Celery, Redis, and a Python DRF REST API,

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| Software Engineer | Amazon, *Santa Monica, CA* | August 2022 – April 2024 |

* Streamlined data registration with bulk registration feature for large-scale React-based data catalog,
* Managed server-side queue by building Java API and tested using dependency injection via Guice,
* Resolved application downtime via automation using AWS CloudWatch and EventBridge rules,
* Managed web application infrastructure and security with AWS CDK, CloudFormation, and SAM,
* Implemented cascading data filters for DevExtreme React Data Grid integrated with TypeScript,

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

* Reduced data pipeline latency by 30% by implementing multithreading for Kafka streams,
* Architected secure, automated data streaming solution via Docker and Kubernetes,
* Improved data registration by developing 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 ICE services by building custom tools to monitor STUN/TURN servers,
* Automated hundreds of end-to-end React user interface tests with Ruby, Capybara, and Jenkins,

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| Nat. Sec. Cloud Consultant | AWS, *Remote* | May 2020 – August 2020 |

* Architected self-service virtual desktop solution to reduce end-user’s procurement time by 85%,
* Released highly available RESTful service for Active Directory management via LDAP and Python,

**EDUCATION:**

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

## Certifications:

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| * AWS Certified DevOps Engineer - Professional |

**RELEVANT COURSEWORK:**

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| * Web Technologies (GCP) | * Machine Learning | * Foundations of Artificial Intelligence |