Casey Key

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SUMMARY: Senior full-stack engineer building AI-powered developer tools and front-end systems.

TECHNICAL SKILLS:

- Python, Next.js, Go
- Docker, Kubernetes
- PostgreSQL, DevOps, CI/CD

PROFESSIONAL EXPERIENCE:

Full Stack Software Engineer   Salesforce, *San Francisco, CA*   September 2024 – Present

- Architect pixel-perfect, animated AI interfaces for Agentforce to simplify marketplace metadata.
- Engineered high-trust integration gates and Stripe services to secure complex financial workflows.
- Manage scalable design systems and Storybook in coordination with UX to deliver UI components.
- Authored Claude Skills to streamline internal code reviews and bug reporting within repositories.
- Own E2E testing architecture: optimize infrastructure, document coverage, and verify UX flows.

Applications Developer   Oracle, *Redwood Shores, CA*   April 2024 – September 2025

- Built and launched a scalable release management tool supporting 689+ users with high reliability.
- Developed AI-powered automation to streamline DevOps workflows and artifact management.
- Led full stack feature delivery, user onboarding, production issue resolution, and feedback iteration.

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

- Built and optimized C++ and Python-based APIs for large-scale data catalog systems.
- Developed React-based interfaces with dynamic filtering and bulk ingestion workflows.
- Designed CI/CD pipelines with automated testing, approvals, and safe rollback strategies.
- Managed AWS infrastructure using CDK and CloudFormation to ensure scalability and security.

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

- Built AI-driven metadata validation tools for large-scale data registration systems.
- Improved file transfer efficiency by designing a self-service data streaming and processing pipeline.
- Enhanced real-time analytics by implementing multithreading for Kafka stream processing.

DevOps Engineer (Intern)   Bongo, *Loveland, CO*   August 2019 – May 2021

- Automated hundreds of end-to-end React UI tests using Ruby, Capybara, and Selenium.

EDUCATION:

Stanford University (Online)
- Professional Certificate for Artificial Intelligence

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

Colorado State University, *Fort Collins, CO*
- B.S. in Computer Science, Coursework in Entrepreneurship and Innovation

CERTIFICATIONS:
- AWS Certified DevOps Engineer - Professional