

Kameron Allen

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Software engineer with experience developing distributed systems, cloud-native platforms, AI-powered applications, and production infrastructure. Experienced in designing scalable software, automating cloud operations, and improving reliability through modern DevOps and reliability engineering practices. Passionate about artificial intelligence, distributed computing, and applying software engineering principles to build resilient, intelligent systems.

Professional Experience

JULY 2026 – CURRENT

Software Engineer | Visa | Austin, Texas

- Design and implement automation solutions that improve the reliability, scalability, and operational efficiency of cloud-native production platforms through modern SRE practices.
- Build and enhance deployment pipelines, observability tooling, and Infrastructure as Code solutions to streamline software delivery, reduce operational overhead, and improve platform resilience.
- Leverage AI-enabled engineering workflows to accelerate incident investigation, automate operational processes, and improve system reliability while maintaining enterprise security and governance standards.
- Partner with cross-functional engineering teams to monitor production services, resolve complex operational issues, conduct root cause analyses, and drive continuous improvements in platform performance and developer productivity.

AUGUST 2025 – JULY 2026

Software Engineer (Independent) | Austin, Texas

- Optimized AI agent execution pipelines by parallelizing LLM calls and task orchestration, reducing end-to-end workflow runtimes by 85% (from ~5 minutes to under 50 seconds).
- Designed and deployed scalable, fault-tolerant AI agents using Python, FastAPI, and Temporal, improving reliability of long-running, multi-step workflows by 30%.
- Implemented observability (structured logging & metrics) and modular service architecture, accelerating feature development by 40% and reducing LLM-related troubleshooting time by 40%.

NOVEMBER 2024 – JANUARY 2025

Contract Systems Engineer | Amazon | Austin, Texas

- Engineered scalable AWS infrastructure (EC2, CloudWatch), improving system uptime by 20% and supporting business-critical workloads.
- Automated system monitoring and deployments using Terraform and CI/CD pipelines, reducing deployment errors by 40% across production environments.
- Developed cross-platform automation scripts to aggregate compliance data, cutting audit processing time from 2 hours to under 10 minutes for batches of 100 devices.

JANUARY 2023 – AUGUST 2024

Software Engineer | General Motors | Austin, Texas

- Designed and implemented Java (Spring Boot) RESTful services and React.js frontend features for distributed enterprise applications, improving API performance by ~20% while supporting 5+ production systems through shared microservices and reusable service components.
- Co-owned modernization of 2 customer-facing services and contributed to 3 additional migrations, transitioning applications from Oracle WebLogic to Microsoft Azure and reducing production downtime by 35%.
- Collaborated within a 12-person Agile team to design, implement, and ship new features across the development lifecycle, increasing release velocity by 25% through effective sprint planning, peer code reviews, and paired programming.

JUNE 2022 – SEPTEMBER 2022

Software Engineer Intern | General Motors | Atlanta, Georgia

- Designed and implemented Java-based test automation frameworks using Spring Boot to support REST API and integration testing, reducing test execution time by 30% and enabling adoption across multiple teams.
- Built RESTful test services to replace legacy RobotFramework suites, improving code maintainability and reducing flaky test failures by 25%.
- Automated CI/CD pipelines using Azure DevOps, cutting release cycle time by 40% and boosting deployment reliability.

Personal Projects

AmiriCodes Platform | amiricodes.app | Next.js, TypeScript, Tailwind, Vercel

- Designed and deployed a personal engineering platform showcasing technical articles, portfolio projects, and interactive web applications.
- Built reusable React/Next.js components, dynamic routing, and responsive user interfaces to support scalable content delivery.
- Implemented GitHub-based CI/CD workflows and deployed production infrastructure on Vercel for automated testing and continuous deployment.

Wrthy App | amiricodes.app | Flutter, Dart, Firebase, Gemini AI

- Led the design and development of a cross-platform mobile application that delivers personalized travel, hospitality, and culinary recommendations through an interactive social platform.
- Engineered AI-enhanced recommendation workflows that combine personalized user preferences, social network interactions, and location-aware content to improve discovery and engagement.
- Developed and deployed a single Flutter codebase for both iOS and Android, integrating scalable backend services and modern mobile application architecture.

GoodBye Box App | amiricodes.app | React Native, TypeScript, Node.js, PostgreSQL

- Designed and deployed a secure digital legacy platform that enables users to organize sensitive information, manage digital assets, and automate information transfer through configurable Dead Man's Switch workflows.
- Built secure data management features supporting encrypted personal records, asset organization, beneficiary management, and automated notification workflows.
- Developed a cross-platform mobile application using React Native and modern backend technologies with an emphasis on security, reliability, and scalable system architecture.

Key Skills

Languages: Java, Python, C++, JavaScript, TypeScript, Dart, SQL

Frameworks: React, Spring Boot, FastAPI, Temporal, React Native, Express.js, Flutter

Databases: PostgreSQL, MongoDB, SQL Server, Firebase

Cloud & DevOps: Azure, Azure DevOps, AWS, CI/CD, Terraform, Vercel, GitHub Actions

Concepts: Distributed Systems, Site Reliability Engineering, REST APIs, Observability

Education

MAY 2026 – JULY 2026

Graduate Cybersecurity Certificate (GPA: 4.0) | University of North Georgia | Dahlonega, Georgia

Relevant Coursework: Advanced Computer Forensics, Advanced Network Security,

Advanced Computer Security, Cybersecurity Foundations

JANUARY 2021 – DECEMBER 2022

IDS in Natural Science & Technology | University of North Georgia | Dahlonega, Georgia

Relevant Coursework: Application Development, Introduction to UNIX, Web Programming, Information Security

Additional Academic Preparation

GEORGIA INSTITUTE OF TECHNOLOGY (VIA EDX)

Probability & Statistics I | Completed April 2026

Data Structures & Algorithms I | Completed July 2026

THE UNIVERSITY OF TEXAS AT AUSTIN (VIA EDX)

Linear Algebra: Foundations to Frontiers | Completed July 2026