

Cameron M. Perret

Deliberative | Strategic | Relator | Responsibility | Significance

Current Address:

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EDUCATION

B.S. Industrial & Systems Engineering, May 2022

Virginia Tech, Blacksburg, VA
In-major GPA: 3.69/4.0

RELEVANT SKILLS

Certifications: AWS Cloud Practitioner, AWS Developer Associate (In Progress)

Government Clearance: TS/SCI (Active)

Languages: Shell Scripting, JavaScript, SQL(Oracle, MySQL), HTML, CSS, Python

Technologies: Linux(AIX RHEL), Windows, Git, Postman, Docker, Kubernetes, Chrome DevTool, SQL Developer, AWS Product Line, VScode, Eclipse, Jenkins, Asiable, Gitlab CI/CD, Gradle, OpenRewrite, Wasm

AI Technologies: Claude Code CLI, Cursor, AI agent orchestration tools, retrieval-augmented generation

WORK

EXPERIENCE

Devops Engineer, Booz Allen Hamilton, Chantilly, VA

October 2024-Present

- Built and optimized 35+ CI/CD pipelines and automated AWS environment provisioning, reducing deployment failures, eliminating configuration drift, and speeding up development cycles.
- Researched and evaluated AI agent orchestration platforms; led implementation of a selected solution in an air-gapped environment, enabling secure access to resources for 60+ developers.
- Selected as Outreach Lead and Contract Leadership Member for a \$50M+ program (60+ personnel); lead cross-agency technical engagement, aligning engineering capabilities with stakeholder needs and shaping program-wide technical strategy.
- Automated AWS cost optimization by building scheduled cleanup jobs for stale AMIs, snapshots, and idle instances, and conducting account-wide right-sizing reviews to eliminate waste and reduce monthly cloud spend.
- Modernized legacy systems with Docker containerization and automated Java upgrades using OpenRewrite, improving performance, security, and compatibility with modern runtimes.

Application Engineer, CGI Federal, Washington, DC

July 2023-October 2024

- Managed and optimized AWS environments through proactive maintenance, log analysis, and troubleshooting to ensure peak performance and 100% operational uptime.
- Facilitated partner integrations by overseeing end-to-end testing, ensuring integration with external interface partners.
- Architected the migration of an FBI Financial Management Application from on-premises servers to the AWS Secret Cloud.
- Automated repetitive technical tasks using Shell scripting and DevOps tools, significantly increasing operational efficiency.
- Developed Ansible playbooks to drive Infrastructure as Code (IaC) initiatives, streamlining AWS cloud provisioning and management.

Business Analyst, CGI Federal, Fairfax, VA

June 2022-July 2023

- Resolved complex business process issues within the Financial Management System using advanced PL/SQL and SQL scripting.
- Authored comprehensive SOPs and user guides, standardizing workflows for internal teams and external clients to improve operational consistency.
- Executed regression testing and defect remediation for the DOJ Production Financial Management System, developing workarounds for active batch patches to maintain system integrity.
- Spearheaded technical onboarding, training new team members on project-specific processes and routine procedures to accelerate time-to-productivity.

Area Manager Intern, Amazon, Sterling, VA

May 2021-July 2021

- Oversaw and managed facility of 350 employees
- Planned, developed and executed project to increase efficiency rate of workflow with projected savings near \$170,000

PROJECTS

Personal Portfolio | CameronPerret.com

- Engineered a scalable static website on AWS using S3, CloudFront, and Route 53, ensuring high availability and global performance.
- Automated deployments via AWS CodePipeline, establishing a seamless CI/CD workflow for real-time site updates.
- Showcases technical projects and professional competencies through a custom-built, cloud-native architecture.

Wedding Website | Cameronxemily.com

- Built a serverless wedding platform on AWS using Next.js (Amplify), DynamoDB, API Gateway, and Python Lambdas, with Cognito auth and CI/CD on every push.
- Created a personalized guest experience with QR-based RSVPs, custom invitations, meal tracking, an admin dashboard, and Google Calendar integration.
- Accelerated solo development by using Claude Code to debug SSR issues, design DynamoDB patterns, and ship features faster.

Calvert Vineyard | Calvertvineyard.co.nz

- Migrated a production NZ winery from a legacy SilverStripe PHP site to a fully serverless AWS stack built with 11 Python CDK stacks (S3, CloudFront, Lambda, DynamoDB, Cognito, SES).
- Wired Stripe live-mode payments across three revenue flows (wine sales, Wine Club memberships, and accommodation bookings) with idempotent webhooks and bidirectional Airbnb iCal sync.
- Accelerated solo development with Claude Code, shipping a full storefront, member portal, booking system, and owner admin dashboard from UX through production launch and replacing a stalled contractor rebuild.

Cortex | **RAG Document Q&A Platform**

- Architected a full-stack RAG application using FastAPI, ChromaDB, and React, enabling natural-language querying of multi-project document collections with real-time streaming and source citations.
- Implemented hybrid BM25 + vector search with Reciprocal Rank Fusion and integrated multi-provider LLM support (Ollama, OpenAI, AWS Bedrock) switchable via environment variables with zero code changes.
- Engineered async document processing, folder upload with recursive traversal, per-project model and chunk configuration, and persistent chat sessions across a clean multi-branch Git workflow.