DALTON OUSLEY

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Google Professional Cloud Architect (Sep 2025)

SUMMARY

Infrastructure-focused engineer with hands-on experience building and operating production-style cloud environments across GCP, AWS, and Cloudflare using Terraform and security-first patterns. Designed and managed Kubernetes clusters, automated provisioning with Ansible, and implemented secrets management, observability stacks, and GitOps workflows. Equally comfortable working directly with technical teams and translating platform value to non-technical stakeholders, developed through years of client-facing consulting work.

CORE SKILLS

Cloud: GCP (Cloud Run, Cloud Functions, Secret Manager, Cloud Armor) | AWS (Lambda, API Gateway, DynamoDB, EventBridge, Secrets Manager) | Cloudflare (Zero Trust Access, D1, Pages/Workers)

IaC & Automation: Terraform (multi-environment, modular) | Ansible (node provisioning, playbooks) | Docker | Git

Kubernetes & Infra: k3s | Cilium | ArgoCD (GitOps) | Helm | Proxmox (VM + LXC provisioning via Terraform) | NFS storage

Observability & Security: Prometheus/Grafana | OIDC | IAM + secrets management | Authentik SSO

CI/CD: GitHub Actions

SELECTED PROJECTS

Homelab Kubernetes Platform | *Proxmox, Terraform, Ansible, k3s, Cilium, ArgoCD, Helm, Prometheus/Grafana, Authentik, NFS*

- Designed and operated a multi-node bare-metal Kubernetes cluster (4× M920 nodes + Proxmox VM worker) managed end-to-end with Terraform for VM/LXC provisioning and Ansible for repeatable node configuration.
- Implemented Cilium CNI with Gateway API replacing default networking; deployed ArgoCD for GitOps-based workload management with a dedicated monitoring cluster (Prometheus/Grafana) isolated from the workload plane.
- Configured NFS-backed persistent storage, Authentik for SSO/identity, and n8n for workflow automation.

Cortex – LLM Summarization Service | *GCP (Cloud Run, Cloud Functions, Secret Manager, Cloud Armor, Artifact Registry), Terraform, Docker, Python*

- Deployed containerized services to Cloud Run; automated infrastructure with Terraform including secrets, domain mapping, and artifacts.
- Integrated multiple LLM providers to summarize conversations into organized notes; applied least-privilege IAM and secrets management patterns throughout.

AWS Serverless Contact Backend | *Lambda, API Gateway, DynamoDB, EventBridge, Secrets Manager, Terraform* |
github.com/DaltonBuilds/aws-serverless-form-backend

- Deployed a serverless API for a portfolio contact form with bot protection (Cloudflare Turnstile validation) and secure secret handling via AWS Secrets Manager.
- Provisioned repeatable infrastructure with Terraform; separated resource modules for maintainability and least-privilege access patterns. Deployments managed by GitHub Action CI/CD pipeline.

Homelab Terraform – Proxmox Infrastructure as Code | *Terraform, Proxmox, cloud-init, HCL* |
github.com/DaltonBuilds/homelab-terraform

- Provisions Proxmox VMs and LXC containers entirely via Terraform including cloud-init user configuration, SSH access management, and network setup. Enables repeatable, declarative infrastructure.
- Structured with modular locals, a dedicated cloud-init directory, and supporting docs; reflects production IaC patterns (least privilege, version-pinned providers, clean state management) applied to homelab infrastructure.

EXPERIENCE

Systems & Automation Consultant

Self-Employed | Remote | 2020 – Present

- Diagnosed a misframed problem for an insurance advisory firm hemorrhaging revenue on a broken lead distribution process: pushed back on a six-figure custom build, identified time-to-lead (up to 16 hours) as the real bottleneck, and proposed a CRM-native integration instead, wiring lead sources to weighted round-robin distribution with automated first-touch outreach and a DNC compliance scrub via existing parent company API. Time-to-lead dropped to seconds; client avoided the custom app build entirely.
- Architected a full candidate intake and onboarding platform for a multi-state logistics operator managing OTR and Last Mile driver pipelines: integrated AI-powered communication, automated qualification workflows, document collection, group Zoom scheduling, and a training library into a single system. Smart filtering so operations staff could monitor candidate status in real time across thousands of applicants.
- Configured and maintained a multi-tenant CRM and marketing automation platform; partnered with developers to troubleshoot API integrations, deliver fixes, and engineer custom workflow solutions for SMB clients.

Fiscal Officer

Alachua County Tax Collector | Gainesville, FL | 2018 – 2020

- Modernized accounting and collection workflows to improve operational efficiency.

EDUCATION

MBA — Louisiana State University in Shreveport (2020)
BA, Business Administration — University of Florida (2017)