

# Craig Simpson CV

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## pdf-test

GitHub Actions test to automatically generate C.V Updates.

### Local PDF build (Apple Silicon)

Build the Docker image targeting Apple Silicon and run it to generate the PDF:

```
docker build --platform=linux/arm64 -t cv-pdf .
mkdir -p output
docker run --rm -v "$PWD/output:/output" cv-pdf
```

### PDF publishing workflow

This repo includes a GitHub Actions workflow that converts docs/DISCOVERY.md into a PDF and commits it to another repository.

Configuration (edit in .github/workflows/publish-pdf.yml): - DEST\_REPO: target repository in owner/name form. - DEST\_BRANCH: target branch (default main). - DEST\_PATH: folder in the target repo to receive the PDF. - DEST\_FILE: PDF filename in the target repo.

Secrets required in this repo: - DEST\_REPO\_TOKEN: a PAT with write access to the destination repository. # Craig Simpson

**Lead Cloud Architect / Engineer**

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## Professional Summary

Lead Cloud Architect and DevOps specialist with 10+ years of experience designing, scaling, and automating high-availability multi-cloud environments across AWS, Azure, and OpenStack. Deep hands-on expertise with Red Hat OpenShift, Kubernetes, and Terraform, combined with a track record of guiding teams through complex cloud transformations. Trusted by startups and enterprises alike to drive modernization and DevSecOps adoption — blending strategy, automation, and technical excellence.

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## Consulting Highlights

- Architected OpenStack and OpenShift platforms for telecom, finance, and media clients across EMEA.
  - Advised CTOs and engineering leads on multi-cloud strategy, CI/CD automation, and infrastructure modernization.
  - Reduced provisioning times by up to 60% through IaC and workflow automation.
  - Led transformation workshops to drive DevOps culture and operational maturity.
  - Delivered governance models and reusable Terraform templates enabling secure, scalable cloud deployments.
  - Acted as SME for a mission-critical OpenShift installation supporting UK 999 emergency systems.
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## Core Skills

**Cloud Platforms:** AWS, Azure, Oracle, DigitalOcean, Cloudflare

**Private Cloud & OpenStack:** Red Hat OpenStack, Canonical OpenStack, CEPH, Keystone, Neutron, Nova, Heat

**Containers & Orchestration:** Kubernetes, Red Hat OpenShift, Docker

**Infrastructure as Code:** Terraform, Ansible, Helm, SaltStack

**DevOps & CI/CD:** GitHub Actions, GitLab CI, Jenkins, ArgoCD, Concourse, Drone.io

**Monitoring & Observability:** Elastic Stack, DataDog, Splunk, Grafana, CloudWatch, Azure Monitor, OpenSearch

**Networking & Security:** AWS VPC, Azure Networking, F5, Nginx, HAProxy, Brocade

**Languages:** Python, Bash

**Methodologies:** DevSecOps, Agile, Site Reliability Engineering

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## Professional Experience

### Principal Cloud Architect | Bauer Media — Remote

*Feb 2025 – Oct 2025*

- Lead architect for multi-region scaling of the Rayo audio app backend across AWS and Azure.
- Designed GDPR-compliant right-shoring for databases, ensuring full EU data sovereignty.

- Member of Bauer Digital Audio's Technology Steering Board.
- Authored integration patterns, Terraform modules, and DevSecOps guardrails adopted globally.

### **Cloud Architect | KX — Remote**

*Jul 2023 – Dec 2024*

- Delivered OpenShift and Kubernetes-based analytics platforms for global enterprise clients.
- Designed cloud-native architecture supporting multi-tenant, high-performance workloads.
- Developed Terraform/Helm frameworks, standardizing hybrid-cloud deployments.
- Implemented GitOps via ArgoCD and GitLab CI/CD — boosted release velocity by 50%.

### **Lead Cloud Architect (OpenStack / OpenShift / DevOps) | Rackspace Technology — Remote**

*Apr 2021 – Feb 2023*

- EMEA SME for OpenStack/OpenShift for government and finance sectors.
- Built OpenShift clusters integrated with OpenStack and CEPH for secure workloads.
- Designed hybrid-cloud CI/CD automation pipelines.
- Authored reference architectures and reusable IaC templates.
- Mentored teams on DevOps transformation.

### **Senior DevOps Engineer | SECCL — Bath**

*Jan 2020 – Apr 2020*

- Migrated monolith to serverless microservices using AWS Lambda.
- Introduced observability with Grafana and CloudWatch.
- Reduced manual ops by 70% via CI/CD + IaC.

### **Cloud Architect | O2 (Telefonica UK) — Slough / Remote**

*Nov 2019 – Dec 2020*

- Deployed OpenStack-based private cloud supporting O2's 5G packet-core.
- Automated infra with Ansible + Heat templates — cut # Terraform EC2 (Ubuntu 24.x + Docker)

This folder is self-contained and separate from the rest of the repo.

### **What it creates**

- An EC2 instance running the latest Ubuntu 24.04 LTS AMI
- Docker installed via `docker.io`
- GitHub CLI (`gh`) installed
- Apache HTTPD (`apache2`) installed and started
- An imported SSH key from your local `~/.ssh/id_ed25519.pub`
- A security group that allows only port 22 from your current IP
- Optional clone of a repo you specify

### **Usage**

- 1) Provide your AWS region and current public IP (as /32).
- 2) Run Terraform.

Example:

```
cd terraform-ec2
terraform init
terraform apply \
  -var "aws_region=us-east-1" \
```

```
-var "allowed_ssh_cidr=203.0.113.10/32" \  
-var "repo_url=git@github.com:YOUR_ORG/YOUR_REPO.git"
```

## Notes

- This uses the default VPC and first subnet in that VPC.
- If you want a different subnet/VPC or to manage networking explicitly, say the word.