

Ian Hundere

Victoria, BC | (512) 410-0083

ian.hunde.re | github.com/ianhundere | linkedin.com/in/ianhundere | ian@hunde.re

Summary

- Lead DevOps Engineer with 7+ years of experience architecting and implementing scalable, resilient cloud solutions on AWS and Kubernetes. Expert in Infrastructure as Code (Terraform), CI/CD modernization (GitHub Actions), and enterprise-grade observability (Datadog, Prometheus).
- Specialist in software supply chain security, having designed and deployed private Sigstore stacks to achieve SLSA compliance and contributing extensively to the Sigstore open-source project.
- Former educator with a passion for mentoring engineers and fostering a culture of continuous improvement.

Technical Skills

Cloud Platforms & Architecture: AWS (EKS, EC2, S3, RDS, Lambda, VPC, IAM, CloudFormation), Kubernetes, Docker

Infrastructure as Code & Automation: Terraform, Ansible, Packer, Vagrant

CI/CD & Version Control: GitHub Actions, GitLab CI, CircleCI, Jenkins, Git, Helm, FluxCD, Argo CD

Monitoring & Observability: Datadog, Prometheus, Grafana, Sumo Logic, Zabbix, Fluent Bit, OpenSearch, CloudWatch

Security & Identity Management: Sigstore, OPA, Vault, Consul, IAM, OIDC, AWS WAF, Network Policies, SAML, LDAP

Databases & Storage: PostgreSQL, MySQL, S3, Glacier, DynamoDB, MongoDB

Operating Systems & Networking: Linux (Administration, Shell Scripting, Performance Tuning), NGINX, ELB

Programming Languages: Python, Go, Bash, Node.js

Experience

Lead DevOps Engineer | Liatro | Remote

August 2024 – Present

- Architected and developed an end-to-end automated governance system by creating a production-ready GoLang CLI (autogov-verify) that leverages Sigstore libraries for attestation validation and an OPA/Rego engine to enable policy-driven deployment gating via SLSA Verification Summary Attestations (VSAs).
- Achieved SLSA Build Level 3 by designing and implementing reusable GitHub workflows that generate and verify software attestations against the automated governance framework.
- Mentored and guided senior and junior engineers on technical growth and best-practice patterns, fostering a collaborative culture of knowledge sharing and continuous improvement.

Senior DevOps Engineer | Liatro | Remote

March 2023 – August 2024

- Designed, built, and deployed private Sigstore stacks from conception to production, achieving SLSA Build Level 2+ compliance and securing the software supply chain.
- Engineered a serverless provenance system using AWS Lambda and OpenSearch, processing millions of attestations monthly and delivering real-time visualization for supply chain security analysis across departments.
- Reduced security management overhead by 20-30% through the automation of certificate management for Sigstore components (Fulcio/TSA).
- Improved EKS cluster reliability by an estimated 20% by systematically troubleshooting complex issues related to network policies and persistent storage.
- Architected and automated a comprehensive observability stack (Prometheus, Grafana, Fluent Bit), from provisioning to alerting, reducing downtime by 30-40% through proactive incident response.
- Contributed significantly to the Sigstore Open Source Community (Rekor, Secure Systems Library), enhancing tool functionality and security.

Senior DevOps Engineer | Oddball, Veteran Affairs, Veteran Services Platform, Identity | Remote

April 2022 – March 2023

- Cultivated the DevOps Community of Practice (20+ engineers) by establishing best practices, facilitating technical discussions, and mentoring junior engineers to accelerate technical growth and team effectiveness.
- Engineered a real-time Terraform drift detection system for AWS GovCloud using Slack's Block Kit and Bash, providing detailed, formatted alerts to prevent unauthorized infrastructure changes and ensure continuous compliance.
- Enhanced system observability and reduced alert fatigue by implementing intelligent log filtering (Datadog, Helm for EKS) and developing custom Datadog dashboards with Terraform state parity automation.
- Modernized CI/CD infrastructure by successfully migrating legacy Jenkins jobs to GitHub Actions, reducing average build times from 20 minutes to 13 minutes.
- Improved application scalability and reduced downtime by 50% through the containerization and migration of a legacy Ruby application to a microservices architecture.
- Strengthened security posture by designing and enforcing custom IAM permission boundaries, preventing privilege escalation and satisfying stringent compliance requirements for AWS GovCloud.

Cloud Operations Engineer | Revel Systems | Atlanta, GA / Remote

November 2020 – April 2022

- Accelerated developer velocity by designing and implementing modular Terraform infrastructure for deploying

- comprehensive monitoring solutions (Datadog provider) across EKS, ECS, EC2, and RDS environments.
- Developed an enterprise-grade RDS management CLI tool (Bash), adopted by 100+ internal users, automating PCI-compliant RDS access via IAM authentication, and improving database security.
- Rebuilt and fortified the GitLab Runner EKS cluster using full Infrastructure as Code, drastically reducing recovery time by 60% and ensuring business continuity.
- Increased developer efficiency by creating reusable Terraform modules and CI/CD pipeline templates, saving significant development hours.
- Mentored junior engineers through technical design reviews, incident response guidance, and proactive coaching.

DevOps Engineer | Artis Technologies | Atlanta, GA / Remote

February 2020 – November 2020

- Managed multi-environment EKS clusters supporting 5 distinct credit decisioning services, consistently achieving 99.9% uptime.
- Reduced deployment times from 18 minutes to 5 minutes through comprehensive CI/CD pipeline (CircleCI) and integration test optimization.
- Enhanced threat detection and incident response capabilities by implementing a multi-tool monitoring stack (Datadog, Falco), leading to a proactive approach to system security.
- Engineered automated security controls, including dynamic security group rules for CircleCI runners, to protect AWS resources.
- Resolved critical AWS WAF integration challenges with Twilio by implementing custom rules to allow legitimate traffic, preventing service disruptions.

Software Engineer, DevOps and Training Platforms | Itential | Atlanta, GA

January 2019 – February 2020

- Cut infrastructure costs by 20% and reduced learning environment setup time by 30% by fully automating the provisioning and cleanup process with Ansible and Docker.
- Developed RESTful APIs (Express.js, Puppeteer) to automate student enrollment and platform management tasks.
- Implemented Zabbix and Grafana for real-time alerting (Slack integration) supporting 24/7 training operations.

Open Source Contributions

Sigstore (Software Supply Chain Security Project)

- cosign** (5.3k+ GitHub stars): [Added TSA certificate chain check for environment variables and TUF targets](#)
- rekor** (1k+ GitHub stars): [Integrated Redis authentication for improved performance and security](#)
- fulcio** (755+ GitHub stars): [Developed cert-utility app to simplify the certificate creation process for compliance with Fulcio's standards and other certificate standards found throughout the Sigstore ecosystem](#)
- sigstore** (490+ GitHub stars): [Implemented TSA URI for custom metadata to resolve cosign verification errors](#)
- timestamp-authority** (100+ GitHub stars): [Added cert-utility templates and documentation per RFC3161 standards](#)
- helm-charts** (80+ GitHub stars): [Added CronJob support for copySecretJob, enhanced TSA certificate handling and optimized scheduling across Sigstore charts](#)
- scaffolding** (65+ GitHub stars): [Fixed TSA cert-chain split function to avoid downstream errors](#)

Secure Systems Lab (used throughout [the in-toto framework/project](#))

- securesystemslib** (45+ GitHub stars): [Added AWS KMS signing support and refactored it for better flexibility / security](#)

Education

Full-Stack Web Development | DigitalCrafts | Atlanta, GA | **September 2018 – January 2019**

Master in Education | Texas State University | San Marcos, TX | **August 2010 – December 2012**

B.A. in History | University of Victoria | Victoria, British Columbia, Canada | **September 2002 – August 2007**

Earlier Career Highlights

Instructional Coach in Academic Technology | NISD | San Antonio, TX | **July 2016 – June 2018**

- Partnered with school administration to develop and implement technology integration training for thousands of educators across 7 campuses, resulting in measurably improved instructional efficacy.

Teacher, 4th and 5th grade | PISD | Austin, TX | **August 2013 – June 2016**

- Developed and implemented data-driven strategies to improve student performance, achieving measurable outcomes.
- Guided at-risk students in achieving significant year-end progress in social, emotional, and academic growth.
- Mentored colleagues to effectively integrate emerging educational technologies into their teaching practices.

Product Specialist Support | Apple Inc. | Austin, TX | **September 2007 – August 2012**

- Resolved complex technical issues, achieving a 95% satisfaction rate, and developed training programs for enterprise clients.