

Ian Hundere

Victoria, BC | (512) 410-0083

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

“perpetually taking an open book test while having fun”

Summary

Accomplished and forward-thinking Lead DevOps Engineer with 7+ years of experience driving cloud infrastructure strategy, automation, and security for high-performing teams. Combines a robust background in AWS, Kubernetes, Terraform, and CI/CD with a unique foundation in education, fostering strong communication, mentorship, and collaborative problem-solving. Proven ability to architect and implement scalable, resilient solutions, optimize system performance, and lead complex technical initiatives from conception to production. Passionate about enhancing developer velocity, ensuring operational excellence, and cultivating a culture of continuous learning and improvement. Eager to leverage expertise in a senior/lead capacity within Platform, Infrastructure, Cloud, DevOps, or SRE engineering.

Technical Skills

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

Infrastructure as Code & Automation: Terraform, Ansible, Python, Bash, 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, 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 (L7) | Liatrio | Remote

August 2024 – Present

- Oversee Automated Governance initiatives, defining technical direction and strategy to enhance security and compliance across cloud environments.
- Led the initiative to achieve SLSA Build Level 3 by architecting and implementing custom reusable GitHub workflows, bridging critical gaps in GitHub's Artifact Attestations through meticulous analysis of SLSA requirements with minimal infrastructure overhead.
- Drive the evolution of the internal platform, focusing on improving developer experience, efficiency, and adoption of best-practice patterns and tools.
- Mentor and guide senior and junior engineers, fostering technical growth, knowledge sharing, and a collaborative team culture.

Senior DevOps Engineer (L6) | Liatrio | Remote

March 2023 – August 2024

- Designed, built, and deployed private Sigstore stacks from conception to production, achieving SLSA Build Level 2+ compliance and significantly improving software supply chain security and artifact immutability.
- 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

- Led and cultivated the DevOps Community of Practice for 20+ engineers, establishing best practices, facilitating technical discussions and presentations, 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.
- Strengthened security posture by designing / enforcing custom IAM permission boundaries.
- 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.

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 and manageability.
- Authored Ansible playbooks to automate RDS IAM authentication and instance seeding, reducing manual configuration efforts.
- 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.
- Implemented / maintained robust monitoring and security solutions using Datadog, New Relic, Sumo Logic, and Falco.
- 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**

- Reduced learning environment setup time by 30% through Ansible and Docker automation.
- 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.
- Automated resource cleanup processes using Ansible, Docker, Node.js, and MongoDB, reducing infrastructure costs by an estimated 20%.

Open Source Contributions**Sigstore** (Software Supply Chain Security Project)

- **cosign** (4.5k+ GitHub stars): Added TSA certificate chain check for environment variables and TUF targets
- **sigstore** (3k+ GitHub stars): Implemented TSA URI for custom metadata to resolve cosign verification errors
- **rekor** (890+ GitHub stars): Integrated Redis authentication for improved performance and security
- **fulcio** (655+ 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
- **scaffolding** (440+ GitHub stars): Fixed TSA cert-chain split function to avoid downstream errors
- **timestamp-authority** (65+ GitHub stars): Added cert-utility templates and documentation per RFC3161 standards
- **helm-charts** (65+ GitHub stars): Added CronJob support for copySecretJob, enhanced TSA certificate handling and optimized scheduling across Sigstore charts

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

Master in Education | Texas State University | San Marcos, TX

B.A. in History | University of Victoria | Victoria, British Columbia, Canada

September 2018 – January 2019**August 2010 – December 2012****September 2002 – August 2007****Earlier Career Highlights****Instructional Coach in Academic Technology** | NISD | San Antonio, TX**July 2016 – June 2018**

- Designed and delivered technology integration training to thousands of educators across 7 campuses, measurably improving 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