Ian Hundere

Atlanta, GA | (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

Experienced cloud and DevOps engineer with a background in education, skilled at building scalable, secure systems using AWS, Kubernetes, Terraform, and CI/CD pipelines. I specialize in automation, process optimization, and hands-on system design, with a focus on improving performance and reducing manual tasks. I thrive on tackling complex challenges, finding creative solutions, and fostering collaboration across teams. I self-host a variety of applications on a 5-node K3s cluster, deepening my practical knowledge of K8s, Linux, and automation in my homelab environment. Always eager to learn and improve, I'm committed to advancing cloud architecture, streamlining DevOps workflows, and staying ahead of the latest tech trends.

Technical Skills

Cloud Infrastructure: AWS, Kubernetes, Lambda, Terraform, CloudFormation, Ansible, Docker, ELB, NGINX

Programming & Scripting: Python, Go, Bash, Linux (system administration, shell scripting, performance tuning)

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

Monitoring & Observability: Datadog, CloudWatch, Prometheus, Grafana, Loki, New Relic, Fluent Bit, Falco, Zabbix

Security & Identity Management: Vault, Consul, Sigstore, OIDC, OPA/Rego, IAM, SAML, LDAP, Keycloak, Auth0

Databases & Storage: RDS (Postgres/MySQL), S3, Glacier, DynamoDB, MongoDB, etcd, ElastiCache (Redis/Memcached)

Experience

Lead DevOps Engineer (L7) | Liatrio | Remote   *August 2024 – Present*
- Promoted to lead role, overseeing Automated Governance initiatives and technical direction
- Achieved SLSA Build Level 3 by independently bridging critical gaps in GitHub's Artifact Attestations through the careful analysis of SLSA requirements and use of custom reusable workflows with minimal-infrastructure

Senior DevOps Engineer (L6) | Liatrio | Remote   *March 2023 – August 2024*
- Designed and deployed private Sigstore stacks, achieving SLSA Build Level 2+ compliance, significantly reducing security risks across client environments
- Built a serverless provenance system with AWS Lambda/OpenSearch, processing millions of attestations monthly and providing real-time visualization for supply chain security analysis across departments
- Reduced security management overhead by 20-30% by automating certificate management for Fulcio/TSA, reducing the number of manual steps needed to stand up our Sigstore infrastructure
- Improved cluster reliability by 20% through systematic EKS troubleshooting and implementation of network policies
- Reduced downtime by 30-40% by implementing an observability stack with Prometheus, Grafana and Fluent Bit for proactive incident response

DevOps Engineer II | Oddball, Veteran Affairs, Veteran Services Platform, Identity | Remote   *April 2022 – March 2023*
- Led DevOps Community of Practice for 20+ engineers, establishing best practices and mentoring programs
- Engineered real-time Terraform drift detection system using Slack's Block Kit and Bash for AWS GovCloud, preventing unauthorized infrastructure changes and ensuring compliance
- Improved system observability by implementing intelligent log filtering, custom Datadog dashboards, and automation to ensure Terraform state parity for dashboards
- Enhanced security posture through custom IAM permission boundaries and least-privilege access controls
- Modernized CI/CD infrastructure by migrating from Jenkins to GitHub Actions, reducing build times from 20m to 13m
- Containerized legacy Ruby app into microservices architecture, improving scalability and reducing downtime by 50%

Cloud Infrastructure Engineer II | Revel Systems | Atlanta, GA / Remote   *November 2020 – April 2022*
- Accelerated developer velocity through the implementation of modular Terraform infrastructure for monitoring using the Datadog provider
- Developed enterprise-grade RDS management CLI tool, automating RDS access through IAM authentication improving the security and access management of production databases for 100+ internal users
- Rebuilt GitLab Runner infrastructure on EKS, implementing full IaC and drastically reducing recovery time by 60%, ensuring business continuity and preventing downtime during outages
- Increased developer velocity by many hours by creating reusable Terraform modules and CI/CD pipeline templates
- Mentored junior engineers, leading technical design reviews and incident response

DevOps Engineer | Artis Technologies | Atlanta, GA / Remote   *February 2020 – November 2020*
- Managed multi-environment EKS clusters supporting 30+ microservices with 99.9% uptime
- Reduced deployment times from 18m to 5m through CI/CD pipeline and integration test optimization
- Implemented monitoring and security solutions using Datadog, New Relic,Sumo Logic, and Falco
- Engineered automated security controls by implementing dynamic security group rules for CircleCI runners
- Resolved critical AWS WAF integration challenges with Twilio by implementing custom rules to allow legitimate traffic

Software Engineer, DevOps | Itential | Atlanta, GA   *January 2019 – February 2020*
- Reduced learning environment setup time by 30% with Ansible and Docker automation
- Developed high-performance RESTful APIs using Express.js and Puppeteer for student enrollment/unenrollment
- Implemented Zabbix and Grafana for real-time alerts via Slack supporting 24/7 operations
- Automated resource cleanup processes, reducing infrastructure costs by 20%
- Maintained 95% on-time delivery rate for sprint commitments

Other Experience

Academic Technology Coach | Northside Independent School District | San Antonio, TX   *July 2016 – June 2018*
- Designed and delivered training to thousands of educators, ensuring technology aligned with educational goals

Teacher, 4th and 5th grade | Pflugerville Independent School District | Austin, TX   *August 2013 – June 2016*
- Led data-driven student performance initiatives and mentored colleagues in adopting new technologies

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

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 related to timestamps*

- **rekor** (890+ GitHub stars)**:** *Integrated Redis authentication for improved performance and security*

- *fulcio* (655+ GitHub stars)*: Simplified certificate creation process for compliance with Fulcio's standards*

- *scaffolding* (440+ GitHub stars)*: Fixed TSA cert-chain split function to avoid downstream errors*

- *timestamp-authority* (65+ GitHub stars)*: Developed a utility, similar to the one contributed to Fulcio, to standardize certificate creation 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*

Other Projects

- *elektroid* (235+ GitHub stars)*: Added Analog Heat +FX support*

- **overwitch** (135+ GitHub stars): *Added Analog Heat +FX support*

Education

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

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

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

Interests

family/friend time | electronic music production w/ hardware-based sequencers/synthesizers | cycling | boardgames | film