

## Christopher Mundus

### Cloud Infrastructure and Security

Beacon, NY

Phone: (360) 703-2255

Email: [chris.mundus@gmail.com](mailto:chris.mundus@gmail.com)

Github: [crashGoBoom](#)

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## Experience

### ***StellarTickets - Live Event Streaming and Ticketing (May 2022 - Present)***

Infrastructure Engineer

- Collaborate with the entire engineering team to find pain points and reduce toil.
- Take the lead on security by building components and following through on initiatives.
- Deploy and maintain WAF, security visualizations and alerting.
- Deploy and maintain custom security automation.
- Improved AWS deployments and created on-demand preview environments for developers.
- Improved deployment tools and automation with GitHub workflows using Python, Javascript and Shell scripting.
- Manage IaC using Terraform.
- Manage containerized applications using AWS ECS.
- Learn Elixir to assist the backend team with development.

### ***KindlyOps LLC - Cloud Security, DevOps, Compliance for Regulated Industries (May 2017 - May 2022)***

Principal Engineer

- Lead Penetration Testing Engagements.
  - Generated clear reports that communicate needs to non-technical clients.
  - Collaborated with clients and helped provide remediation recommendations.
- Lead Cloud Security Assessments.
  - Applied manual and automated scanning techniques to provide clients with their overall security posture and how it can be improved.
  - Provide guidance and remediation recommendations.
  - Collaborated with teams to improve server hardening and overall AWS Infrastructure security.
- In House Software Development Projects.
  - Golang backend API development.
  - Golang developer tools.
  - Maintain rails backend.
  - Elm frontend development.
- Lead DevOps engagements.
  - Work directly with both short-term engagements and retainer clients.
  - Help teams deploy software using secure CI/CD practices and IaC.
  - Help teams experiment and utilize new technologies in AWS (python, TS, goLang).
  - AWS Case Study: [Gritstone](#)

### ***Self Employed Cloud Infrastructure / Security Consulting (January 2010 - May 2017)***

- AWS Video Streaming Solutions for a large global organization.
- Security consulting and implementation for a large global org.
  - DevSecOps practices including pipeline configuration.
- AWS IoT product development.
- Subject matter expert for TripleByte.
- Manage On Prem / Cloud based server infrastructures.
- Physical network configuration and installation including racks and wiring.
- Maintain backup solutions.
- Assist in workstation image deployment.
- Develop solutions using python and AWS (ECS).
- Set top box UI development.
- Development of IPTV System for worldwide use.
  - Javascript, PHP, Python, CSS, Bash
  - Wowza Media Engine management
  - Develop Ffmpeg based encoders
  - Amino Set Top Box JS-SDK

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## **Program Proficiency**

- Go
- Python
- JS/TS
- Ruby
- AWS CDK and CloudFormation
- Github
- Terraform
- Chef
- Jenkins
- CircleCI
- Heroku
- BurpSuite Pro
- Open Source Contributor

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## **Certifications**

- **AWS Solutions Architect Professional**
- **AWS DevOps Engineer Professional**
- **OSCP Certified Penetration Tester**