



Michael Metcalf

Email LinkedIn Github\*

Security Engineer with 6+ years experience in corporate identity and access management programs. Primarily interested in designing, implementing and operating IAM tooling and services.

Currently at [Riot Games](#) helping teams to ship their products quickly and securely.

## Work Experience

2017 - Present Riot Games

2020 - Present Security Engineer – Information Security

- Tech lead the org-wide migration from Onelogin to Okta. Resulted in 700+ services migrated within a year.
- Wrote large-scale terraform projects (providers & modules) to support various IAM operations
- Contributed to refactoring AWS tooling used across the engineering org
- Implemented serverless event-based logging pipelines for all systems in the IAM stack
- Vendor/Internal security reviews
- Continued discovery in BeyondCorp/ZeroTrust style access models for Rioters

2018 - 2020 Systems Administrator – Information Security

- Published internal RFC for identity federation criteria, lead the vendor evaluation and presented findings to security leadership
- Designed and implemented a RESTful API for LDAP user introspection and group management in Go
- Integrated corporate AuthZ into player-facing AuthZ to grant access to R&D assets for internal Rioters and contractors
- Implemented a BeyondCorp proof of concept for intranet site via Duo Network Gateway
- Wrote ETLs for various IAM functions/authorization automations
- Designed and implemented geo/org based authorization pipeline as a compensating GDPR control for all production facing servers to consume.
- Organized team's codebase and documentation structure
- Contributed in disaster recovery, incident response, and internal threat scenarios

2017 - 2018 Systems Administrator – Information Technology

- Defined standards, administrate and document the corporate Identity Provider - Onelogin
- Assisted internal teams in defining their AuthN/Z tech stack and authorization models against given business requirements
- Managed vendor relationships for SSO, user lifecycle management, and overall security auditing
- Core contributor to the Rioter/Vendor onboarding pipeline

2015 - 2017 Broadcom

2015 – 2017 Desktop Support Services Engineer - Information Technology

- Managed/Resolved high volumes of emergent operational tickets while maintaining stringent team SLA
- Supported company-wide AD Domain migration and Email migration from Exchange to Google Apps
- Wrote knowledge base articles for DSS L1-L3 teams (Pertaining to SAP, PGP, and Cisco/telecom)
- Wrote macOS software deployment packages and scripts for JAMF
- Managed enterprise apps

2015 - 2017 AIT Management

2014 - 2015 Systems Administrator & Trainer

- Rebuilt and maintained corporate LDAP Directory Services and Identity Provider
- Administrated enterprise apps and MDM Program
- Built employee onboarding and IT utility automations
- Wrote and maintained technical/operational documentation
- Maintained network infrastructure across 45+ office sites
- Taught new hire training and onboarding

## Education

2016-2017, 2020 Irvine Valley College

My academic history reflects the seasons in life where I have wanted to learn more, even if occupationally it was less relevant. My end goal is to earn a BS in Computer Science.

## Skills

```
bash - 58x128

Last login: Thu Oct 21 11:58:21 on ttys006
mmetcalf resume.md [metmac/resume/2021] tree -L 2 ./skills
./skills
├── auth-standards
│   ├── kerberos
│   ├── ldap
│   ├── mTLS
│   ├── OAuth
│   ├── open-id-connect
│   ├── pki
│   ├── radius
│   ├── saml-2.0
│   ├── u2f
│   └── webAuthN
├── aws
│   ├── aws-sso
│   ├── cloud-watch
│   ├── ec2
│   ├── eks
│   ├── event-bridge
│   ├── iam
│   ├── lambda
│   ├── secrets-mgr
│   ├── sts
│   ├── vpc
│   └── workspaces
├── concepts
│   ├── cors
│   ├── csrf
│   ├── etl-pipelines
│   ├── event-driven-architecture
│   ├── iac
│   ├── mvc
│   ├── serverless-architecture
│   ├── sop
│   ├── spa
│   └── xss
├── enterprise-systems
│   ├── active-directory
│   ├── azure-ad
│   ├── carbon-black
│   ├── duo-security
│   ├── jamf
│   ├── mobile-iron
│   ├── okta
│   ├── onelogin
│   ├── pulse-secure
│   └── slack-administration
├── frameworks-and-libraries
│   ├── aws-sdk-for-go
│   ├── boto3
│   ├── go-ldap
│   ├── labstack-echo
│   ├── passport-js
│   ├── py-ldap3
│   ├── serverless-framework
│   └── tailwindcss
├── languages
│   ├── go
│   ├── powershell
│   ├── python
│   └── shell-scripting
├── markup
│   ├── ascii-doc
│   ├── css
│   ├── html
│   ├── json
│   ├── markdown
│   └── yaml
└── open-source-systems
    ├── atlantis-ci
    ├── consul
    ├── dir389
    ├── docker
    ├── elk-stack
    ├── function-beats
    ├── git
    ├── jenkins
    ├── open-ldap
    ├── terraform
    ├── terragrunt
    └── vault

8 directories, 71 files
```