Michael Metcalf

Email   LinkedIn   Github   PDF

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 identity provider migration. 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 Access Proxies for employee use

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 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 Access Proxy proof of concept for intranet sites 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                                    ⌘⌥1

Last login: Thu Oct 21 11:58:21 on ttys006
metmac 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
│   ├── microservices-architecture
│   ├── serverless-architecture
│   ├── iac
│   ├── mvc
│   ├── 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
```