

spencer english williams

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Skills

developer experience, infrastructure-as-code, CI/CD, agile development, technical writing
AWS, Terraform (HCL), Go, Jira, Python, Bash, Sphinx (docs), GitHub (Actions), JavaScript
microcontrollers, woodworking, furniture design, bicycle maintenance, piano performance

Experience

Senior Software Engineer I (DevOps) | OpenSesame | Aug 2023 – present

- continuing all prior responsibilities, an emphasis on cross-team collaboration
- leading new department initiatives to improve code quality and pipeline observability
- establishing patterns of shared services for nonhuman identity auth

Software Engineer III (DevOps) | OpenSesame | Oct 2021 – Aug 2023

- developing and maintaining the Engineering department's development environments, a monolithic platform comprising 500+ Terraform configurations across 50+ AWS accounts
- built a department-wide "safety net" of cross-regional backups for shorter RTO and RPO
- overseeing the adoption of SSO auth for human users and OIDC auth for machine users
- maintaining VPCs, ACLs, route tables, Transit Gateways, and a VPN to make networking easy for users and safe from privilege-escalation attacks

Software Engineer II (Revenue Engineering) | OpenSesame | Mar 2020 – Oct 2021

- decoupling a legacy monolith into microservices

Software Engineer (Product) | Rigado | Oct 2016 – Feb 2020

Software Engineer | Uncorked Studios | Nov 2013 – Oct 2015

Software Engineer | Upstart Labs | Jan 2012 – Oct 2013

Achievements

AWS Cloud Practitioner certificate | 2021

Local Mastery Program | Northwest Woodworking Studio | 2017

Bicycled across the continental United States | 2013

Bachelor of Science, Mechanical Engineering | Carnegie Mellon University | 2011

Eagle Scout | Boy Scouts of America | 2007