

MORGAN GANGWERE (THEY/THEM)

AT A GLANCE Developer looking for a position in the Seattle/Redmond area or remote leveraging a background in the ugly parts of software development. I have worked with a diverse selection of teams developing and maintaining software across a variety of platforms and environments. My background includes supporting the core SDKs at Amazon, working directly with customers to solve hard problems, talking at conferences like DEF CON and SCaLE, helping the Python Software Foundation participate in Google Summer of Code, building hardware for fun, and more.

EXPERIENCE **AMAZON WEB SERVICES, SEATTLE, WA**

July 2019-present

As Developer Support Engineer II, 2022-present,

- Supporting development and bug resolution on the AWS SDKs and Tools organization's GitHub repositories for the AWS CDK ([aws/aws-cdk](#)), AWS CLI ([aws/aws-cli](#)), and AWS SDK for Python ([boto/boto3](#) and [boto/botocore](#))
- Delivered improvements such as Container build process ergonomics based on extensive community connections.
- Maintains the AWS CDK Workshop ([cdkworkshop.com](#)) and associated CDK sample code repository ([aws-samples/aws-cdk-examples](#))

As Programmer Writer II, 2021-2022,

- Delivered production-ready sample code in Go and Python demonstrating best-practices for AWS customers for both greenfield and cloud-migrated development.

As Technical Writer, 2019-2021,

- Wrote and maintained documentation and production-ready code in Go, Java, Kotlin, and Python to use AWS AppSync, Amplify, and Device Farm.
- Launched *Device Farm Browser Testing*, end-to-end in-browser testing for CI systems; documentation enabled adoption time to under 10 minutes from start to finish for customers using Java, Kotlin, and Python.

U2F.GARDEN

Ongoing project: <https://u2f.garden> and <https://github.com/indrora/u2f-garden>

- Index of hardware U2F (Universal 2-Factor) authentication devices, technical specifications and feature descriptions.
- Built using Hugo document generator, backed by Markdown/YAML data

OUTREACH I have presented demonstrations of various AWS services internally as well as presenting at

- DEF CON about reverse engineering and network interception attacks
- SCaLE about homelab IT
- LibrePlanet about open-source communities
- Local user groups and information security groups about home automation, source control, and more

Additionally, since 2022, I am a member of the Python Software Foundation's Google Summer of Code (GSoc) administrative team, where I assist new contributors in delivering paid work on open-source projects.

- PERSONAL PROJECTS**
- Photomunch ([indrora/photomunch](#)) camera ingest tool
 - Atomic ([indrora/atomic](#)) IRC client for Android
 - ZaibatsuPass ([zaibatsutel/zaibatsupass](#)) ORCA transit card reader for Windows 10 (+mobile) onwards.
 - MX4SIO “BakaCard” ([indrora/bakacard](#)) SD card adapter for Playstation 2
 - XDWifi ([indrora/xd-wifi](#)) ISA Wi-Fi modem for vintage computers
 - TinyGPSCard: An M.2 Form-factor GPS card
 - USB-Crowbar: Allows modding of hardware to have USB-C connectors where a USB cord or USB B connector previously was.
-

KEYWORDS AND TECHNOLOGIES Software Development: Go, Python, Java/Kotlin (Android), C (embedded). SDLC, CI-CD.
Networking: Cisco, Juniper, WI-Fi, 802.11, IoT, home automation.
Hardware: KiCad, experience with China-based hardware vendors
Community: Community engagement, organization, and maintenance.

EDUCATION **UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NM, BA COMMUNICATIONS**
Minor in professional writing, studies included a broad exploration of the sciences of the arts.

- VOLUNTEERING** Current:
- Black Lodge Research: Volunteer as IT administration at local makerspace in the Seattle area.
- Previously:
- RoboRAVE international: Volunteered multiple years as a judge and technical assistance for middle school and high school teams during robotics competition
 - New Mexico Supercomputing Challenge: instructor for Python, Scientific Method, and Data Science instruction for middle and high school students, invited to for “Ask A Scientist” portion of larger competition
 - Quelab: Albuquerque area makerspace where I was responsible for 3D printer maintenance, laser cutter operation and maintenance, as well as safety chaperone for two-person shop work
 - Albuquerque International Balloon Fiesta: Volunteered multiple years as on-site labor and otherwise able-bodied help during the largest hot air balloon event in North America; Duties included field work, coordination of independent teams, maintenance of field equipment, etc.
-

HOBBIES Photography, graphic design, mechanical keyboards, vintage gaming.
