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📍 ON & BC

Highlights

Languages and Platforms

- Python, Rust, SQL, Java, C
- GNU/Linux, Windows
- ESXi, Hyper-V, QEMU/KVM

Skills

- SRE (automation, monitoring, documentation, change management)
- ITSM/sysadmin (AD/LDAP, Chrome OS, JIRA, Salt, Elastic Beats, Sysmon, Graylog, GitHub/GitLab)
- DevOps (CI/CD, containers/Docker, git, testing)
- Analytics, large datasets (Tableau, Elasticsearch, GraphQL, MSSQL, Postgres, Pandas, Grafana)
- Web hosting/information security (nginx, IIS, OpenVAS, Cisco ClamAV, OpenVPN)
- Open source development (Ceph, nvidia-patch, securecompliance/gvm)

Projects

Name Service Switch Module - *libnss_shim*

github.com/xenago/libnss_shim

An adapter enabling arbitrary software to interface easily with the built-in GNU/Linux NSS service, which is used for lookups to sources such as passwd, group, and shadow.

Engineering Capstone - *CycleFlow*

github.com/squiracle/cycleflow (4-person team)

Assisting cyclists by transmitting real-time traffic signal data via Bluetooth, accessible with a handlebar-mounted smartphone running our mobile app (or any other that implements our open protocol).

LimeSurvey Instance Update Tool - *ls_updater*

github.com/xenago/ls_updater

LimeSurvey is a popular web app used to host surveys. The Community Edition lacks a software update function, so this script was created to update an install using official builds.

Experience

Senior Security Infrastructure Analyst - *HireRoad*

- Designing solutions for monitoring/alerting/reporting
- 2023 - Present
- Migrating systems to AWS
 - Ensuring service stability and operational continuity

Site Reliability Engineer - *PeopleInsight Workforce Analytics*

- Overhauling corporate security and infrastructure to attain SOC 2 Type II certification
 - Maintaining levels of service performance, availability, and security in excess of SLA targets
- 2018 - 2022
- Moving off legacy platforms (analyzing, documenting, planning, deploying)
 - Writing policy, developing procedures, responding to incidents
 - Starting as a co-op student, developed with Python/SQL/ VBA to automate ETL validation jobs and process data flows

Software QA Analyst (Co-op) - *Global Affairs Canada, Export/Import Controls System II Project*

- 2017
- Contributed to test case development, manual testing, and performance test automation for a deployment of the Oracle Siebel CRM and an associated client-facing .NET web app

Foundation Systems Programmer (Co-op) - *Shared Services Canada, Mainframe Operations Division*

- 2016 - 2017
- Built master image of RHEL for System Z, used as part of an email system; reconfigured system logging to use streams; patched ISPF login to resolve password leakage security risk

Formal Education

2019 **B.A.Sc., Computer Engineering - *University of Ottawa***