

Conrad Lukawski | COMPUTER DUDE (beep boop)

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Skills

Development.....

- Go, Rust, C, Python, Shell Scripting, Git, SQL, Redis/KeyDB
- Writes systems and networking for POSIX like operating systems, as well as web services and APIs
- Experience setting up CI/CD pipelines using GitLab CE, Docker, and Ansible
- Embedded development experience with C, C++, embedded assembly

OS Technologies.....

- Thorough understanding of UNIX-like operating systems, linux boot process, init systems, and filesystem semantics
- Server administration experience on baremetal & virtualized solutions with OpenBSD, FreeBSD, Ubuntu, Debian, Arch Linux, Plan 9, and CentOS
- Virtualization experience with AWS/GCP/Digital Ocean and similar services
- Familiar with technologies like Docker, Ansible, VSphere, KVM, Vagrant, and VirtualBox
- Experience deploying scaled solutions for diskless network boot (in memory operating systems)

What I Build/Do.....

- Write personal tooling in Go and Rust for fun
- Understands all software is bad, but necessary
- Play with embedded tech, familiar working with microcontrollers and hardware prototyping
- Skateboard during the summer
- Keep up with the security stuff (conferences, CVEs, active Linux/OpenBSD sysadmin)

Experience

Employment.....

Windscribe

Toronto, Ontario

Backend Developer

Nov 2018 - Present

- Brought on to re-design architectural stack of core products, deployment services
- Designed and implemented an async replacement for the forwarding proxy squid in Go, with supplements for custom outbound IPv4/6 binding, transparent proxying, etc
- Implemented and developed tooling for an easily bootstrapped in memory operating system that runs existing required software stack with no disk usage as privacy measures

BlockMaintain

Toronto, Ontario

Software Developer, System Administrator

Jan - Oct 2018

- Wrote, administered and deployed software for high availability worker clusters (cryptocurrency mining operations), mostly in Go, Rust, and Python; with some C, Bash and other assorted languages
- Involved in architectural design of OS components, complex networking and deployment solutions for diskless systems, and datacentre/hardware health monitoring daemons
- Used knowledge of Linux internals to quickly diagnose and solve various hardware and site systems issues, including proactive and reactive measures to unexpected problems

Vectorface Inc.

Ottawa, Ontario

Software Developer

2014-2018

- Implemented large 3rd party integrations, high volume REST APIs, maintained and actively worked on features to modernize a large PHP codebase
- Produced clean, documented and unit tested code, managed with Git and CI tools, participated in code reviews, and QA'd code releases in staging environments
- Deployed, tested, managed continuous integration systems

- Wireless Warehouse of Canada** Windsor, Ontario
Web Developer, System Administrator 2014
- Oversaw several web projects using PHP, MySQL, and JavaScript on Linux servers running Apache and nginx, administration/mail server admin role on Linux servers running Centos 6.5
- BlockStock** Windsor, Ontario
Web Developer, System Administrator, Co-Founder 2012–2013
- Developed product and core company utilities in Python, Django web frame and administered LAMP servers running on AWS infrastructure
- Student Operated Computing Resources (University of Windsor)** Windsor, Ontario
Chief Technical Officer, Chief Financial Officer 2011–2012
- Administered Debian, FreeBSD servers running Apache, managed finances, advised and approved hardware purchases and other expenses

Education

- University of Windsor** Windsor, Ontario
School of Computer Science
- St. Clair College** Windsor, Ontario
Software Development Courses

References available upon request.