Connie Lukawski | Backend Enginee-
I mean, Developer

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Skills

Development
- Go, Rust, C/C++ (Unix/Embedded), Python, Shell Scripting, Git, SQL, Redis/KeyDB
- Experience with Linux kernel internals and POSIX + TCP/IP networking stack
- Deployment/Provisioning/CI/CD pipelines (GitLab, Docker, various provisioning stacks)

Systems/OS Stuff
- Deep understanding of UNIX-like operating systems, boot processes, init systems, and filesystem semantics
- Ops experience on baremetal & virtualized hosts running OpenBSD/FreeBSD/Ubuntu/Debian/Arch Linux/CentOS/Plan 9
- Familiar with Docker, Kubernetes, Ansible, VSphere, KVM, Vagrant, and VirtualBox

About
- Writing personal tooling in Go and Rust for fun, and actively maintaining personal server infra
- Hobby embedded and hardware prototyping, woodworking and splinters
- Working out, skateboarding and getting new wrist injuries
- Keeping up with infosec world/conferences, reading up on fun hardware and software exploits
- Chutzpah

Experience

Windscribe
Toronto, Ontario
Backend Team Lead/Sr. Software Developer
Nov 2018 - Present
- Responsible for co-ordinating with other teams on tooling, node/service health and project scope/progress, as well as managing other backend team process tasks
- Designed/implemented a wide range of next-gen VPN node stack components, provisioning stack, PKI tooling and workflows, and other projects, including:
  - A linux-based ramdisk operating system for VPN nodes and other infra, facilitating improved user privacy and security
  - Rapid-deploy provisioning system for bootstrapping our ramdisk OS, and securely deploying secrets and our service stack, massively reducing the time sysops team spends provisioning hardware
  - Simplified and standardized PKI/hashicorp vault tooling and libraries for node and core infrastructure
  - Node connection management and health monitoring for next-gen node stack
  - Forward proxy, designed to handle custom outbound traffic routing

BlockMaintain
Toronto, Ontario
Sr. Software Developer, SRE
Jan - Oct 2018
- Architected stack for HA multi-GPU worker deployments using Go, Rust, Python, C, and Bash, with this including:
  - Implemented a linux-based ramdisk worker OS, including network boot/service provisioning components, designed to run on thousands of diskless hosts per datacentre location
  - Datacentre and worker health monitoring and recovery systems
  - Embedded hardware tooling for automation of firmware flashing of host hardware
- Part of team deployed to various datacentres to oversee initial deployments of hardware and software stack
- Used knowledge of hardware/networking/Linux internals to quickly diagnose and solve various system issues

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
- Deployed on, tested, managed continous integration systems, QA'd code releases in staging environments

Wireless Warehouse of Canada
Windsor, Ontario
Backend Developer, System Administrator
2014
- Managed several full stack projects with PHP, MySQL, and self-hosted mail on servers running Apache/nginx on Centos 6.5

BlockStock
Windsor, Ontario
Backend 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