Ashton MacKenzie

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Full Stack Developer (Ruby on Rails and JavaScript) and a background in systems administration and cybersecurity engineering. Over a decade of professional IT operations, network engineering, cybersecurity and systems administration experience in various industries. Possess strong skills in research, troubleshooting, and education that help build team players and problem solvers. Strong passion for identity management and healthcare information technology.

TECHNICAL SKILLS AND TECHNOLOGIES

Ruby on Rails, SQL, React, Javascript | RedHat/CENTOS Linux, Proxmox, BIND DNS, Ansible | Fortinet, Unifi | Splunk

TECHNICAL PROJECTS

Rouge with Petsite v0.2 - [GitHub](#) | [Demo](#) |[Developer Commentary](#)
A React/Rails project to combine the roguelike and petsite genres as a single page web app
- Designed and implemented database schema in ActiveRecord and Postgres to persist game data between sessions
- Utilized React and HTML5 Canvas to draw and update an interactive game environment, React-Tailwind to style responsive website to host game environment
- Used React-Nivo to make screen-reader accessible graphs for displaying vital statistics of pets

Discogs Utility - [Github](#) | [Demo](#) | [Developer Commentary](#)
Visually access physical music library collection data in clean, modern interface.
- Use secure token to sign authenticated requests to Discogs API
- Use Javascript to display album art in attractive manner, allowing a user to click through to see more information about albums in collection

Proxmox Automation with Ansible v1 - [Github](#)
Orchestrate Proxmox container virtualization with Ansible.
- Deploy configured file, web, and data service containers customized to example organizations
- Enable faster and more reliable service and operating system updates with less downtime
- Built custom safety features to ensure orchestration is resilient if environment is manually changed

EXPERIENCE

[State of Vermont Agency of Digital Services](#) — Waterbury, VT
Systems Developer 1 - Client Server Team for Department of Children and Families — 05/2023 - Current
- Configure, support, maintain tools transitioning to Salesforce platform
- Translate business logic into reports and complex queries for Informix, Oracle SQL, and Microsoft / T-SQL databases

[Consulting](#) — Burlington, VT
Business Digital Strategy and Web Development Consultant — 12/2022 - 05/2023
- Consulted on IT environment planning and response to emerging cybersecurity threats
- Configure and train on VPS/DNS administration, Wordpress and MembershipWorks

[NuHarbor Security](#) — Colchester, VT
Managed Services Engineer — 06/2021 - 04/2022
- Consulted on IT environment planning and response to emerging cybersecurity threats
- Configure and maintain [Splunk](#) in on premises and cloud environments

[Physician's Computer Company (PCC Pediatric EHR)](#) — Winooski, VT
Client System Administrator — 05/2017 - 05/2021
- Configure and maintain Linux servers for hosting proprietary medical record software, customer networks and cyber security; network equipment and VPNs (Fortinet, Unifi, BIND9 on Linux, work with 3rd party Windows DNS)
- Maintain compliance with HIPAA and PCI requirements for PCC managed services; Assist clients with navigating compliance audits, surveys, and tests
- Maintain and troubleshoot email services
- Became Subject Matter Expert: XMPP instant messenger protocol, legacy chat service; Windows Server 2019
- Project: Automate operating system and firmware update process for Dell servers using iDRAC, CENTOS/RedHat Linux; complete with customer advance notice system using Python, BASH, and SQL
- Project: Overhaul form letters generating communication for third parties for firewall and Windows domain requirements in PHP

MacKenzie Agricultural Research — Maple Park, IL | Burlington, VT
IT and Research Consultant — 08/2007 - 08/2015
- Data Collection from off-site databases
- Data administration and manipulation in Access, MapInfo Professional
- Workstation, printer, networking administration

EDUCATION

[Flatiron School](#) — Remote
Full Stack Web Development, Ruby on Rails and JavaScript program — 08/2022 - 12/2022

[Champlain College](#) — Burlington, VT
Bachelor of Science (BS), Computer Information Technology — 06/2020