

JACOB SAYLES

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I'm a technologist, entrepreneur, artist, and community cultivator. I draw on my vast experience to wrap my head around not only the problems at hand, but the real-world context that created them. This leads to creative approaches, tangible results, and lasting solutions.

Kanawha Design Studio

July 2016 – Present

Managing a consulting firm specializing in technology, operations and design for community business models (coworking and coliving).

- Designing, engineering, and deploying networks for 16+ coworking and office spaces, totaling 60 APs serving over 2200 daily users and 180K sq. ft. of space, using PFSense, Ubiquity, and Brocade/Ruckus hardware and custom software, in government, non-profit, and corporate environments both remotely and on-premise.
- Provides detailed network configuration documentation with easy-to-read explanations of concepts and diagrams outlining important information necessary for implementation, maintenance, and incident response.
- Evaluates network and physical security for best practices and known vulnerabilities.

Open Lunar Foundation

November 2018 – Present

Remotely supporting a non-profit dedicated to a peaceful, cooperative presence on the moon for the benefit of life on and off Earth.

- Built a segregated and secure office network using centralized user management and auditing to comply with an aggressive development schedule, third-party intellectual property security, and government regulations and export restrictions.
- Administers GovCloud AWS systems using Docker, JumpCloud, OpenVPN, Confluence, Jira, and GitLab.
- Provides physical and network security assessment and post-hack incident analysis including vulnerability remediation.

312 Main/Vancity Community Foundation

March 2016 – December 2018

Managed the design, installation and implementation of all technical and security systems from the construction phase through occupancy and first 6 months of operations in a 105K sf renovated coworking community with the capacity for 1000+ users.

- Designed and built a cost effective and efficient network for multiple member organizations and users, including a wireless network strategy, a VLAN and subnet configuration, redundant firewalls and network security.
- Created a Python/Django database of network assets and locations integrated with Brocade switches and Ruckus access points.
- Designed, developed, and customized open-source software platforms, including management of developers and contractors.

Office Nomads

April 2007 – August 2016

Established the first coworking space in Seattle, implemented all business and technical systems, a custom software platform, and cultivated a dynamic and longstanding community.

- Developed and maintained an open-source member application in Python/Django supporting 3000+ users for billing, reporting, onboarding, and engagement that is integrated with payment processing and member check-in (nadineproject.org).
- Designed, built, and integrated operational systems, including accounting, bookkeeping, merchant services, IT (network, firewall, phones, internet) and AV (projectors, screen sharing, conference phones).
- Integrated HID access control system and network ARP tables with Django application for member access and tracking.
- Oversaw business planning and management, including budgeting and long-term financial planning, growth strategy and organization of the business model and revenue projections.

Early Career

1996 – 2008

I worked for a variety of startups and organizations including: Usedbooks.com, Serials Solutions, ProQuest, Health-E-Tech, Wireless Vision, Clickeats.com, Eden Systems, and Pacific Northwest National Labs, as a developer, systems administrator and technical lead.

- Designed and implemented a data import, maintenance, and transformation web application suite using JBoss, MySQL, and SQL Server to support a department of 50+ librarians and technical support associates.
- Developed high availability, multi-tier, XML search engine with XSL transformation using Apache Tomcat and MySQL.
- Built a multi-tier J2EE personal fitness application using BEA WebLogic, integrating front-end HTML to back-end EJB.
- Led teams of developers, database administrators, and project managers and facilitated communication and coordination efforts across departments, management levels, and stake holders.

The Evergreen State College Bachelor of Science, Computer Science

1997

Technologies: Python, Django, 2to3, Docker, Vagrant, VMWare, AWS, GovCloud, JumpCloud, Zabbix, Apache, Nginx, Drupal, WordPress, PHP, LAMP, C++, Java, J2EE, EJB, JSP, Servlets, Ant, JBoss, Tomcat, MARC, SQL, PostgreSQL, MySQL, JavaScript, jQuery, CSS, HTML, XML, JSON, YAML, REST, Jekyll, LDAP, RADIUS, UNIX, Linux, FreeBSD, OpenBSD, vi, Bash, PFSense, Ubiquity, Brocade, Ruckus, Git, Arduino, Raspberry Pi