

JACOB SAYLES

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EXPERIENCE

Kanawha Design Studio

July 2016 – Present

Manages a consulting firm specializing in technology, operations and design for collaborative business models including coworking and coliving communities.

- Designs and implements numerous small to large office networks using PFSense, Ubiquity and Brocade/Ruckus hardware
- Provides detailed network configuration documentation with easy-to-read explanations of concepts and diagrams outlining important information necessary for implementation and incident response
- Evaluates network and physical security for best practices and known vulnerabilities
- Lays out optimal physical infrastructure design and equipment placement

Open Lunar Foundation

November 2018 – Present

Supports 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 Ubiquity hardware and JumpCloud user management
- Administers GovCloud AWS systems using Docker, JumpCloud, OpenVPN, Confluence, Jira, and GitLab
- Provides network security analysis and assessment and worked with outside organizations to make improvements

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

- 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, directed all operations, technical systems and software, and cultivated a dynamic and longstanding community

- Developed and maintained open source member management application used for billing, reporting, and member engagement using Python Django (nadineproject.org)
- Designed, built, and integrated operational systems, including accounting, payment processing, 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

Serials Solutions/ProQuest

December 2002 – January 2010

Led a team of developers, database engineers, and program managers in maintaining system uptime and implementing new features

- Facilitated communication and coordination across departments, management levels, and stake holders
- Designed and implemented a data import/maintenance application suite using JBoss, MySQL, and SQL Server
- Developed high availability XML search engine with XSL transformation using Apache Tomcat and MySQL

EDUCATION

1997 · The Evergreen State College · **Bachelor of Science, Computer Science**

TECHNOLOGIES

Python (2.7, 3.7), Django (1.11, 2.2), 2to3, Docker, Vagrant, VMWare, AWS, GovCloud, Zabbix, Apache, Nginx, Drupal, WordPress, PHP, LAMP, C++, Java, J2EE, EJB, JSP, Servlets, Ant, JBoss, Tomcat, MARC, SQL, MySQL, Microsoft SQL Server, Oracle, PostgreSQL, JavaScript, jQuery, CSS, HTML, XML, JSON, YAML, REST, Jekyll, LDAP, UNIX, Linux, FreeBSD, OpenBSD, PFSense, Ubiquity, Brocade, Ruckus, CVS, SVN, Git, Arduino, Raspberry Pi, vi