

# Jacob Sayles

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## PROFESSIONAL SUMMARY

I am a creative and entrepreneurial technologist with a history of innovative ideas, well executed projects, and management of diverse teams. In 2007, I recognized the growing trend and lack of support structures in place for independent and remote workers and opened Office Nomads, the first coworking space in Seattle. To support this business and others like it, I wrote Nadine, the first open source coworking platform, and founded Open Coworking, a non-profit dedicated to supporting the Coworking Movement. I am currently a partner at Kanawha Design Studio, a consulting firm that supports small and large collaborative spaces with business planning, operations, community development, IT infrastructure, and the many uses of technology to support their memberships and communities.

## PROFESSIONAL SKILLS

- Demonstrated management skills working with diverse teams of developers, analysts and contractors
- Creative problem-solving skills and the ability to take projects through to completion under strict timelines and parameters
- Ability to hone larger organizational goals into practical plans of action
- Agile, hands-on style with iterative and collaborative development and an emphasis on simplicity and maintainability
- Proven experience in all phases of the software development life cycle: requirements gathering, developing technical specifications, architecture, design, user experience, implementation, testing and maintenance
- A deep and personal commitment to creating and being part of rich, dynamic communities

## EDUCATION AND TRAINING

<b>The Evergreen State College</b> , Olympia, WA - Computer Science, Bachelor of Science	1995 - 1997
<b>Western Washington University</b> , Fairhaven College, Bellingham, WA	1994 - 1995
<b>JBoss for Java Developers</b> , Learning Patterns, Portland, OR	2006
<b>PFSense Firewall Certification</b> , Netgate, Austin, TX	2017

## 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, CVS, SVN, Git, Arduino, Raspberry Pi, vi

## EXPERIENCE

<b>Technical Director</b> <b>Kanawha Design Studio</b> , Vancouver, BC/Seattle, WA	Jul 2016 - Present kanawha.design
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Kanawha Design is a consulting firm that provides business, technology and design services to collaborative spaces. I oversee the technology and operations of the firm as well as many of our consultation projects. My contributions to clients include planning, budgeting, implementation and overall operational management of business systems and technologies.

- Watch emerging trends and keep up to date on the latest technology
- Oversee contractors for projects, including designers, analysts, admins and developers
- Manage multiple projects with competing deadlines and priorities
- Maintain business to business and business to client relationships
- Experiment with different ways to utilize technology in a variety of small to large organizations
- Analyze technical needs of clients in order to help them adjust projects, expectations, and budgets accordingly
- Work with clients to develop business strategies, cashflow analysis, organizational structures, and operation plans
- Design systems and strategies to meet client goals and either provide support for or execute implementation
- Produce practical, easy-to-read reports that outline tangible solutions to complex problems.

***System Administrator***  
**Open Lunar Foundation, San Francisco, CA**

Nov 2018 – present  
openlunar.org

Open Lunar is 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
- Administered GovCloud AWS systems using Docker, JumpCloud, OpenVPN, Confluence, Jira, and GitLab

***Co-Founder/Director of Technology***  
**Office Nomads, Seattle WA**

Apr 2007 – present  
officenomads.com

Office Nomads is a coworking community dedicated to cultivating a dynamic, creative and collaborative environment for Seattle's nomadic workforce. Founded on the principle that by working together we can accomplish more than we could alone, we are proving you can maintain individuality without isolation.

- Founded a coworking space by cultivating a dynamic community
- Managed all aspects of business including bookkeeping, payroll, budgeting, profit and loss, and administration
- Wrote an open source member management application used for billing, reporting, and member engagement using Python Django (nadineproject.org)
- Designed, built, and integrated systems for operations including accounting (Xero), payment processing, and IT (network, firewall, phones, internet)
- Formed an alliance with other Seattle area collaborative spaces to promote the Coworking Movement locally (collaborativespaces.org)
- Featured in many national publications including Entrepreneur magazine, The New York Times, The Wall Street Journal, Fortune Small Business, Seattle magazine, King 5 News, Q13 Fox News, and Seattle Metropolitan magazine (2008 Hottest Companies in Seattle)

***Director of Technology***  
**312 Main/Vancity Community Foundation, Vancouver BC**

Mar 2016 - Dec 2018  
312main.ca

312 Main is a Global Centre for Social and Economic Innovation in Vancouver. Formerly the Vancouver Police Headquarters, the 105,000 sf concrete 1950's building was renovated to house socially oriented organizations, entrepreneurs, and artists. I was recruited to design and build out all of the technology systems, customize and implement the open source coworking software and build and lead the Technology Department. Working with the project from construction through the start of the business, I designed and implemented all of the essential technology systems.

- Designed and managed the technical and security systems from construction phase through occupancy
- Worked closely with the project architects, general contractor, trades and other associated professionals
- Designed and oversaw installation all systems, including a fibre backbone, 5 brocade switch stacks, ≈1000 ethernet ports, and ruckus wireless system with 22 access points
- Conceived and developed access control and security systems for the building
- Designed and built a cost effective and efficient network for multiple organizations and users, including a wireless network strategy, a VLAN strategy, redundant firewalls and a network security
- Aided in developing an operations plan, staffing plan and implementation schedule for the coworking and event spaces
- Developed and implemented an A/V plan for the building to house multiple organizations and users, including event and stage PA and lighting equipment, printers and meeting room and classroom conferencing equipment
- Created job descriptions for a 4-person technology department, and, vetted, hired, and trained the team
- Customized the open source coworking software according to the needs of the organization and managed the developers

***Founder/Executive Director***  
**Open Coworking, Seattle WA**

Jan 2012 – Dec 2015  
opencoworking.org

The community behind the international Coworking Movement collaborates using a variety of tools from a mailing list with over 7500 users, Slack channel, a shared wiki, and programs such as the Coworking Visa. As a core maintainer I established this non-profit organization to take on the ongoing maintenance and promotion of these resources.

- Established a non-profit to help facilitate collaboration between coworking spaces around the world
- Built and managed a distributed organizational structure and an international team
- Maintained shared resources and a large volume of continuously incoming content
- Conducted an international fundraising campaign

**Senior Developer/Technical Lead**  
**Serials Solutions, Seattle WA**

Dec 2002 - Jan 2010  
proquest.com

- Designed and implemented a data import/maintenance/transformation web application suite using JBoss, MySQL, and SQL Server
- Led a team of Java developers, database engineers, and program managers to maintain system uptime and implement new features
- Facilitated communication and coordination across departments
- Developed high availability, multi-tier, XML search engine with XSL transformation using Apache Tomcat and MySQL
- Built fully decoupled log queuing and overflow management system utilized by three high-traffic enterprise applications
- Constructed search statistics reporting and graphing utilities using Java Applets and Servlets

**Vice President of Technology**  
**Clickcats.com, Seattle WA**

Mar 2007 - Apr 2007  
clickcats.com

- Gathered and led development efforts into cohesive, comprehensive technology plan to deliver value for the company and bring the product to market
- Managed Java development contractors

**Web Application Developer**  
**Healthtech, Seattle, WA**

Oct 2000 - Oct 2001

- Built a multi-tier J2EE personal fitness application using BEA WebLogic
- Integrated front-end HTML to back-end EJB and Oracle database

**Wireless Application Developer (contract)**  
**Wireless Vision, Munich, Germany**

Sep 2000 - Oct 2000

- Developed WAP fitness application for wireless phones using Java Servlets
- Built and secured OpenBSD firewall and Apache/Tomcat web server
- Trained and supported users in application usage and operation
- Installed and maintained Solaris servers for development department

**Electronic Commerce Systems Developer**  
**Usedbooks.com, Seattle, WA**

Mar 1999 - Aug 2000  
usedbooks.com

- Built E-commerce framework using Cold Fusion on IIS
- Created Java Servlet search engine for external metadata search web sites
- Produced and maintained internal tools for accounting, customer service and reporting
- Created and secured office e-mail, printing, and network infrastructure using Linux

**Integration Programmer**  
**Eden Systems, Seattle, WA**

May 1998 - Mar 1999

- Data migration of government accounting data into Informix-4GL applications
- Customized accounting applications to meet customer requirements
- Updated systems for Y2K compliance

## VOLUNTEERING AND AFFILIATIONS

Seattle Mini Maker Faire  
Coworking Europe (Keynote Speaker)  
Global Coworking Unconference Conference - US/Canada  
PyCascades Python Conference  
SEGD/Vancouver Design Week  
Seattle Subway  
Cascadia Rail

Seattle Collaborative Space Alliance  
Coworking BC Society  
Vancouver Hack Society  
Metrix Create Space  
Embassy Network and Red Victorian Coliving Hotel  
District Commons  
The HiVE Vancouver (Board of Directors)