

Paige A. Thompson

SYSTEMS ENGINEER / SOFTWARE DEVELOPER

Seattle, Washington

[I Am Paige AT](#) [paigeadelethompson](#) [I Am Paige AT](#) [+1-206-946-2468](#) [paige@paige.bio](#) [https://paige.bio](#)

"At my core I am a systems administrator and software engineer. Starting in the year 2000, I grew up immersed in the Seattle tech and startup scene around other professional systems administrators, software engineers, and security researchers. I share the same undying passion for better software and technology with many of my professional colleagues and friends. I have sought to establish a strong, security-minded skill set throughout my career as well as a vital appreciation for productive technology that must interface with the non-technical world."

Expertise

| | |
|--------------------------|---|
| Programming | Bash, Python, PHP, C#, Javascript, C/C++, Golang, Rust |
| Operating Systems | Windows Server(2k, 3, 8, 16) Linux(SuSE/Kubic/Gentoo/Debian and advanced Linux kernel concepts), FreeBSD, OpenBSD |
| Virtualization | KVM/libvirt, containerd/crictl, OpenvSwitch, Vagrant, podman, docker-compose, Terraform, Helm |
| Networking | OpenVPN, L2/L3 tunneling, tcpdump, iptables/nftables(v0.9/1.0+), eBPF, iproute2, NetFlow, scapy, hping3, tcpreplay/bittwiste, TCP/IP(v4/v6) PROXY Protocol, HTTP Forward/Reverse Proxying |
| AWS | S3, EC2, VPC, IAM, Route53, CloudFormation, Organizations, CloudWatch, CloudTrail |
| Design | HTML/CSS, Hugo, WordPress, Django, Kdenlive, GIMP |
| Other | DNSSEC, BCP38, principle of least privilege, ACME, SNI, transaction isolation, eventual consistency, OpenID, JWT, SAML, responsible disclosure, good faith hacking |

History

Upwork VIRTUAL
FREELANCE SOFTWARE / SYSTEMS ENGINEER JUN 2023 - JUN 2023

- Developing solutions with OpenVPN, FRR, and Ansible

Amazon Web Services Inc. SEATTLE, WASHINGTON
SYSTEMS ENGINEER LEVEL 4 - S3 BORDER RELIABILITY MAY 2015 - SEP 2016

- Planned, scheduled, and configured new hardware in Amazon's datacenters around the world to address network capacity needs and new capacity for introduction of new availability regions.
- Assisted in the removal and much needed documentation of processes for retiring deprecated infrastructure without affecting customers or other services in the organization.
- Participated in a 24/7 on-call rotation to address and remediate customer impacting events such as outages, software and hardware faults, and denial of service attacks within service level agreements.

ATG Stores Inc. KIRKLAND, WASHINGTON
SOFTWARE ENGINEER - INTERNAL TOOLS TEAM JAN 2014 - MAY 2014

- Developed applications in .NET for the internal tools team; anything from adding new models and/or business logic in Dynamics AX/GP to a simple FTP client designed specifically for the marketing team.
- Collaborated with the website team on resolving their backlog items; Javascript errors that occur in specific views and not others, CSS bugs, and minimizing false positives in the logging framework.
- Left the company to stay for a long term period in Greece with family.

ConnectXYZ LLC. WOODINVILLE, WASHINGTON
LEAD DEVOPS ENGINEER / SOFTWARE ENGINEER MAY 2012 - JUN 2013

- Built server deployment and configuration automation with Opscode Chef on Rackspace infrastructure; this entire stack included HAProxy, nginx, PHP-fpm, Percona XtraDB cluster, Couchbase, OSSEC, munin, and nagios.
- Developed custom iptables and ISC Bind 9 chef cookbooks. The iptables cookbook used chef-client registration information together with role-based attributes to determine specific egress and ingress rules on both the internal and external network planes without a need for one-off firewall rules to be specified.
- Assisted in planning a scheduled launch for a beta release with my team and the service was made available to several clients for trial in December 2012.

History (continued)

Acronym Media Inc.

SOFTWARE ENGINEER

TELECOMMUTE

JAN 2011 - JUN 2013

- Assisted in the development of an SEO (KPI and insights dashboarding) analytics platform using PHP Symfony, Highcharts.js, MySQL/Propel.

The Branning Group

SOFTWARE ENGINEER - PART-TIME

TELECOMMUTE

JAN 2010 - JAN 2011

- Developed on Wordpress, drupal, Joomla, and custom PHP/MySQL/Javascript websites for Mr. Branning and his clients.

Onvia Inc.

SOFTWARE ENGINEER

SEATTLE, WASHINGTON

NOV 2008 - MAR 2009

- Developed a data migration platform in C#, LINQ, MSSQL, LINQ-to-SQL, WCF, and WPF for the purpose of moving data from an older SQL 2000 database to a newer ORM-based database and production environment.

Zion Preparatory Academy

IT MANAGER - PART-TIME

SEATTLE, WASHINGTON

DEC 2007 - MAR 2010

- Managed Active Directory, Exchange Server 2007, Google Apps for Education / non-profits, accounting software, networking, and security for roughly 100 users; the entire K-6 school including faculty and students.
- Contributed my own hardware with no strings attached for the purpose of getting things done the right way in a low budget environment.
- Provided help desk and computer repair for all school computers (many rebuilds) running Windows XP with Office, student software, and managed in active directory with several different OUs and varying group policy configurations.

SeattleSoft Inc.

SOFTWARE ENGINEER / SYSTEMS ADMINISTRATOR

SEATTLE, WASHINGTON

OCT 2005 - MAR 2007

- Developed an inventory management front-end application for PalmOS 4.x in Metrowerks CodeWarrior which ran on Symbol SPT 1846 PalmOS-based PDAs. The application could scan labels for products anywhere with WiFi access around a warehouse and allows for remote management of inventory.
- Developed in Java, PHP, HTML, CSS, and JavaScript for Mr Williams and his clients.

Certifications

Hurricane Electric IPv6

SAGE

VIRTUAL

2022 - 2022

Presentations

NFTables 1.x

INTRO TO NFTABLES 1.X

VIRTUAL

2022 - 2022

- https://paige.bio/nftables_presentation

Education

Bellevue Community College

ASSOCIATE ARTS (A.A.) COMPUTER PROGRAMMING

BELLEVUE, WA

2005 - 2005

- Left prior to completing my degree to focus on work at Seattle Software Systems.

Activities

Netcrave Communications

SOLE PROPRIETOR

VIRTUAL

2000 - 2019

- Provided DNS, e-mail, website, shell accounts, and game server hosting as well as static IPv4 and IPv6 tunnels.
- VPN, active network monitoring, and denial of service protection services.
- Developed several MVC web application development frameworks.
- Participated in independent security research to better understand the nature of security problems on the modern internet.