

Christopher Hunter

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Work Experience

Big Fish Games, Seattle WA

Release Engineer - April 2011 to September 2020

- Implemented deployment of a Vault Enterprise instance to Google Cloud Platform (GCE) using Terraform and Packer.
- Architected and developed a custom Python API to enable Vault interaction for existing automation.
- Added custom Jira and Confluence API integrations to existing tools, including commit hooks.
- Made improvements and automations to an existing custom code release suite for our ecommerce website, resulting in a roughly 40% overall reduction in build & deploy time for these weekly, high-touch code releases.
- Collaborated on a large-scale SVN to Git Enterprise migration for all of the company's codebases. Administered access for these services.
- Migrated multiple Jenkins instances from legacy VMs to Docker Swarm-based architecture. Developed and maintained software build and delivery tools and infrastructure to support CI/CD and self-service pipelines using Jenkins for multiple in-house game studios.
- Developed Python automations for common tasks.
- Maintained IaaS for Linux servers using SaltStack.

Systems Administrator / Network Operations Engineer - June 2008 to April 2011

- Developed a custom PHP/MySQL application as part of a department-wide effort to implement structured change management for all IT/Operations teams. This was a critical component that eventually resulted in a decrease of incident-related downtime.
- Maintained hundreds-scale Linux load-balanced server infrastructure to support 24/7 availability for e-commerce sales of PC, Mac and mobile games.
- Designed and built out a new physical data center as part of a colocation provider migration.
- Triaged network alerts and directed incident responses.

Speakeasy, Inc – Seattle WA

Network Operations Technician - January 2004 to December 2007

- Worked with other operations teams on incident response, management, and resolution.
- Handled high-level escalations and troubleshooting for small business customers.
- Updated network monitoring systems for new hosts and devices.
- Improved commonly used tools through scripting and workflow automation.

Systems and Network Engineer - June 2001 to May 2003

- Successfully implemented migration to BGP on core routing infrastructure for a nation-wide network in nine US cities, providing a much higher degree of resiliency and improved network peering for hundreds of thousands of broadband subscribers.
- Provided 24/7 availability for a broadband DSL network and subscriber services, including email and web hosting, using Linux server architecture.
- Installed and maintained physical servers and network gear in nine US cities.
- Maximized value on network bandwidth by regularly auditing and tuning usage reports and adjusting capacity allocations for partner sites.

Senior Technical Support - July 1999 to June 2001

- Provided front-line tech support for nationwide broadband service, including troubleshooting layer 1 & layer 2 connectivity, TCP/IP setup, email setup, and other common ISP services.
- Maintained configuration of customer DSL equipment and backend ATM aggregation routers.
- Developed scripting tools for automation of manual processes.

Education

University of Washington - Seattle WA

Informatics and Linguistics programs - Estimated Completion 2026

Lake Washington Technical Institute - Kirkland, WA

AAS in Computing and Software Development - Completed Dec 2023

Technical Skills

- **CI/CD:** Supported multiple Jenkins instances running build pipelines for multiple in-house game studios.
- **Secrets Management:** Experienced with Hashicorp Vault, including application deployment & administration, and configuring secrets retrieval for automated services.
- **Linux services:** Have supported common web applications using Apache, Tomcat, nginx, and custom Java services in large-scale load-balanced environments.
- **Databases:** Deployed MySQL and created schemas for lightweight services.
- **IaaS:** Managed on-premise servers using Cfengine and Saltstack. Experience with Terraform to deploy cloud services and maintain application configuration.
- **Source Control:** Administered services and managed access for a large number of on-premise repositories using SVN and GitHub Enterprise, as well as on github.com. Also worked with Nexus artifact repository.
- **Programming and Scripting:** Have written medium-large object-oriented applications and modules in Python and PHP. Well versed in Bash scripting. Experience writing in Java, C++, C# and for Android Mobile.
- **Basic Web Development:** Familiar with HTML, CSS, and Javascript, and have authored web applications using Twig/Jinja2 template engines. Created custom REST API query tools and service endpoints.
- **Networking:** Experienced with TCP/IP fundamentals, load balancing, and large-scale network administration using Cisco, Netscaler, Redback and Juniper devices in a telecom environment.