

STEVEN WEILER

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GitHub: <https://github.com/sjweiler/focaldesk>

PROFESSIONAL SUMMARY

Software Engineer and Systems Developer with 25+ years of experience designing Linux infrastructure, enterprise automation, networking, and high-performance software. Creator of FocalDesk, a Rust-based Wayland desktop environment, and FocalVector, a Rust vector database. Experienced in systems programming, concurrent software design, **Linux infrastructure, enterprise networking**, infrastructure modernization, and performance optimization.

CORE COMPETENCIES

Development: Rust (Tokio, async/await, multithreading, synchronization), Python, C#, C++, SQL, Git, GitHub Actions

Systems Programming: Rust, Linux, Async Programming, Concurrency, Synchronization, IPC, Wayland, DRM/KMS, Performance Optimization, Benchmarking

Infrastructure: Linux, Windows Server, VMware, Virtual Iron, Active Directory, Microsoft 365, Networking, Virtualization, Storage

Enterprise Applications: ServiceNow, Enterprise Application Support

Business Analysis: Application Administration, Systems Integration, Workflow Automation, Requirements Gathering, Process Improvement

PROFESSIONAL EXPERIENCE

Acrisure — Account Coordinator (2024–Present)

- Participated in the organization's AMS360 to Applied Epic implementation by providing end-user input during the transition and adapting to new insurance workflows after go-live.
- Worked with account managers, producers, and carrier representatives to resolve policy servicing issues and maintain accurate customer records.
- Maintain an active Indiana Property & Casualty License

Acrisure — Service Desk Specialist (2023–2024)

- Delivered technical support and incident resolution for enterprise users
- Managed and resolved service requests using ServiceNow
- Supported business applications, access management, and system issues

United Insurance Agencies / Acrisure — Systems Administrator (1998–2023)

Automation & Application Development

- Designed a multi-threaded renewal tracking system that automated data imports, grouped policies by expiration, and generated SharePoint reminders; reduced processing time by over 90% (3 hours to 15 minutes)
- Developed a web-based quote generation system using dynamic workflows, automated policy language insertion, and PDF generation; reduced preparation time by over 90%

Infrastructure & Operations

- Led planning and execution of enterprise data center relocation with a 2-day recovery requirement; restored operations in 12 hours
- Designed and implemented remote access solutions enabling full business continuity during COVID-19
- Led virtualization and infrastructure modernization initiatives, including migration from VirtualIron to VMware, server consolidation, and platform upgrades.

- Designed and implemented enterprise monitoring using OpenNMS with custom dashboards, alerts, and automation.
- Administered Active Directory, creating and maintaining Group Policy Objects (GPOs), managing user access, and supporting enterprise Windows infrastructure.

Systems Integration & Optimization

- Integrated AMS360 with telephony systems to enable automatic customer record retrieval
 - Implemented monitoring, reporting, and automation solutions improving operational reliability
 - Supported enterprise infrastructure including networking, security, virtualization, and business applications
 - Administered AMS360, providing application support, user administration, troubleshooting, and system maintenance.
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TECHNICAL PROJECTS

FocalDesk (GitHub Project)

Designed and developed FocalDesk, a Wayland desktop environment in Rust implementing DRM/KMS display management, GPU-accelerated rendering, XWayland compatibility, PipeWire integration, multi-monitor support, IPC services, and local AI integration. Implemented asynchronous services and concurrent event processing across Wayland, PipeWire, and XWayland components.

FocalVector — Vector Database in Rust

Designed and implemented a Rust vector database supporting approximate nearest-neighbor indexing, persistent storage, and benchmark suites measuring indexing throughput, query latency, recall, and scalability across varying dataset sizes.

Systems Programming

- PAM authentication modules
 - Wayland protocols
 - DRM/KMS
 - PipeWire
 - IPC
 - GPU rendering
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EDUCATION

Bachelor of Science in Computer Science — University of the People (2026)

CERTIFICATIONS

Agile & Product: Certified Scrum Product Owner (CSPO), Certified ScrumMaster (CSM), ICAgile Certified Professional (ICP)

Security & Cloud: Certificate of Cloud Security Knowledge (CCSK), Certificate of Competence in Zero Trust (CCZT)

AI & Data: IBM AI Engineering Professional Certificate, IBM Data Science Professional Certificate, TensorFlow Developer Certificate

Licensing: Indiana Property & Casualty License