

# Jurgens Krause

A **small act** today can have a **big impact** tomorrow.

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Self-proclaimed IT generalist with a broad background and a primary focus on network administration, complemented by hands-on experience in web development, VoIP, and small-scale industrial automation.

## **Company Owner & Python Developer** **Bitweaver Consulting**

**2024–Present**

Developing administrative automation tools to increase productivity using AI. Focusing on the use of high-end transcription models to alleviate repetitive administrative tasks.

## **IT Manager**

### **Pasture Valley Children's Home**

**2016–Present**

Pasture Valley cares for over 50 orphaned and vulnerable children, as well as supporting over 600 families with food, school fees and school supplies.

- Spearheaded digital transformation of the children's home, installing a complete campus-wide network and IT infrastructure.
- Deployed virtualized server infrastructure for file sharing, backup, and media services.
- Implemented Sophos XG Firewall for content filtering and security.
- Established a PLEX media server for streaming movies and TV shows.
- Set up an AI-assisted NVR system for monitoring campus security.

## **Network Associate**

### **Jenny Internet**

**2016-2024**

Early morning advanced technical support for network operators. I joined the Jenny team as their first fully remote employee. I was responsible for providing advanced technical support to the network operators and for managing the network infrastructure.

Jenny Internet operates over 1000 high sites spread over 5 countries in Southern Africa. My team was responsible for the network infrastructure and the support for the network operators.

## **SKILLS**

Network Infrastructure

MikroTik MTCNA Level

Microtik MTCRE Level

Wireless Technologies

Linux Server Administration

Python Development

AI Integration

Asterisk VOIP

Proxmox Hypervisor

## **Certification**

### **Python Essentials 1**

Python Institute  
March 2024

### **Python Essentials 2**

Python Institute  
March 2024

### **Foundational C# with Microsoft**

Microsoft  
May 2024

### **Network Defense**

Cisco  
January 2024

## **LANGUAGES**

English, Afrikaans, Dutch

## ***Network Administrator***

### ***Wipronet***

**2012-2016**

Wipronet was my introduction to the wireless ISP industry.

I joined Wipronet as a junior network technician and quickly moved into a network administrator role. By the time I left, I was managing the VoIP infrastructure as well as coordinating high-profile client projects.

#### **Projects**

- Planned, designed, and built a municipal wide-area network for Emalahleni, South Africa.
- Implemented multiple corporate IP telephony systems for call centres.
- Led the development of the Wipronet website.

## ***Network Administrator***

### ***Operation Mobilization***

**2008-2009**

I worked as a network administrator on the ship "MV Doulos," staffed by 350 volunteers from 50 different countries.

#### **Projects**

- Set up a computer laboratory for the National University of Timor-Leste. Including 100 workstations and an AD server.
- Recovered a corrupted Active Directory tree.
- Completely revamped the on-board intranet.
- Served as lighting technician for on-shore stage show.
- Integrated shore-based broadband internet into the network.