

Sean Widjaja

Swidjaja270@gmail.com | +1 925 400 3554 | [GitHub](#) | [Personal Website](#) | [LinkedIn](#)

Experience

EnQubes

New Jersey, USA

Data Analyst

June 2023 – Present

- Wrote SQL procedures to generate finalized SAP data tables and built a VBA bulk-upload tool that loaded business corrected records back into the database, replacing a single-table loader and processing thousands of rows per wave in minutes
- Rearchitected daily ingestion jobs in Databricks with Python to write into staging tables instead of directly to production, implementing a data verification step that checks row counts against expected per-table config values before promotion
- Managed schema versioning and release with Alembic and Bitbucket, reviewing and merging changes into production

Philly Community Wireless

Pennsylvania, USA

Network Infrastructure Volunteer

June 2026 – Present

- Aided in deploying wireless network equipment on-site, installing routers and access points in underserved neighborhoods
- Created a cloud-init template to automate provisioning of new Linode instances within the organization's VPC, bootstrapping each node with node-exporter for monitoring on first boot
- Built Ansible playbooks to deploy a centralized monitoring stack; Prometheus and Grafana on the monitoring server and node-exporter across managed Linodes

IBM

California, USA

Back End Developer Intern/Co-op

May 2022 – August 2022

- Engineered a C++ solution within IBM Netezza to redesign the table cloning workflow, reducing storage overhead by preventing duplicate data allocation during clone operations
- Built Python visualization tools to analyze zone maps and measure the effectiveness of table grooming operations
- Performed testing of database engine features in a Linux development environment

Projects

Proxmox Server with Automation

January 2026 – Present

- Designed and deployed a virtualized enterprise environment using Proxmox VE, hosting Windows Server 2022 and Linux virtual machines to simulate production infrastructure
- Configured Active Directory Domain Services, DNS, and DHCP to provide centralized identity management, name resolution, and network services across the lab environment
- Built a centralized monitoring platform using Docker, Prometheus, Grafana, and the Proxmox API to collect and visualize infrastructure health metrics

Kubernetes-Hosted Website Portfolio

May 2026 – Present

- Containerized and deployed a personal website to a Linode Kubernetes Engine (LKE) cluster, publishing versioned Docker images to GitHub Packages with zero-downtime rolling updates
- Connected the cluster to my Proxmox lab over Tailscale, deploying the Kubernetes operator so workloads reach Prometheus over a private network surfacing live metrics on the site without exposing the endpoint
- Managed the cluster with Terraform, codifying its configuration so the environment rebuilds from a single command instead of manual setup in the Linode Console
- Created a default-deny cloud firewall across all nodes in Terraform, hardening network access while preserving ingress and the Tailnet monitoring path

Education

San Jose State University

B.S. Software Engineering

August 2019 – December 2022

Certifications

Cisco Certified Network Associate

April 2026

CompTIA Security+

December 2025

CompTIA Network+

July 2025

Skills and Tools: Python, SQL, Microsoft Visual Basic (VBA), Java, C++, Docker, Kubernetes, Linode, Prometheus, Grafana, Ansible, GitHub, GitHub Actions, Proxmox, Tailscale, Active Directory, Alembic, Continuous Integration/Continuous Delivery (CI/CD), Terraform