

Cristian Simioni Milani

Senior System Administrator · Mission-Critical Energy Infrastructure

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13+
years in enterprise & critical infrastructure

5
utility go-lives in Norway, Finland & Brazil

7
countries worked in across Europe & the Americas

M.Sc.
Computing, Machine Learning

PROFILE

Senior System Administrator with more than a decade in mission-critical energy systems. I design and deliver Siemens Spectrum Power 7 SCADA/ADMS infrastructure for Nordic utilities, taking projects through Factory and Site Acceptance Tests (FAT/SAT) to production go-live, and combining enterprise Linux, virtualisation and Ansible-driven automation to keep grid-control platforms secure, available and compliant. Previously I led a five-person infrastructure team at Siemens Brazil and supported global Atlassian customers, so I bridge engineering depth with clear communication to utility stakeholders and international delivery teams.

EXPERIENCE

Siemens Norway — Oslo

Senior System Administrator — Mar 2023 – Present

- Design and deploy Spectrum Power 7 SCADA infrastructure across the Nordics, delivering within quality, schedule and budget targets.
- Take customer projects through FAT, SAT and production go-live, including Spectrum Power 4 to 7 upgrades for Elvia and Helen and version upgrades for Caruna and Saudefaldene.
- Administer enterprise Linux infrastructure, including installer components, virtualisation (KVM, VMware) and networking.
- Drive Ansible and Bash automation that standardises deployments, configuration and day-to-day operations.
- Own monitoring with Nagios and Grafana, leading incident troubleshooting and improving service availability.
- Partner with product teams, release trains and customer stakeholders to improve deployment processes and align solutions with operational requirements.

CORE COMPETENCIES

- FAT / SAT & production go-lives
- SCADA / EMS / ADMS operations
- Infrastructure automation & CI/CD
- Linux & virtualisation platforms
- Monitoring, reliability & incident response
- Security compliance & patch management
- Technical leadership & stakeholder alignment

TECHNICAL TOOLKIT

Automation
Ansible, Bash, Python, Perl, GitLab CI/CD, Git

Platforms
Red Hat Linux, Windows Server, AIX, KVM, VMware vCenter, Docker, AWS

Monitoring
Nagios, Zabbix, Grafana

Data & middleware
Oracle, MySQL, PostgreSQL, NGINX, Apache, LDAP

Applications
Spectrum Power 7, Confluence, Jira

EDUCATION

M.Sc. Computing — Machine Learning
Pontifical Catholic University of Paraná · 2014 – 2016

e-Core · Atlassian

Remote

Senior Support Engineer

Aug 2021 – Feb 2023

- Delivered enterprise-level support for Confluence and Jira to global clients, including Apple and Disney.
- Designed and optimised self-hosted architectures: SSL, clustering, NGINX load balancing and database back ends.
- Automated documentation and governance processes, improving knowledge sharing and product adoption.

Siemens Brazil

2013 – 2021

Technical System Administrator Lead

Jan 2019 – Aug 2021

- Led a five-person team responsible for Spectrum Power 7 infrastructure design and operation, ensuring high availability and compliance in mission-critical SCADA environments.
- Took Brazil's first Spectrum Power 7 project to go-live at Copel, migrating the utility from its in-house legacy SCADA.
- Led adoption of Ansible and GitLab CI/CD, streamlining deployments and patch management.
- Ensured compliance with corporate security standards in close collaboration with international release-train teams.

Software Engineer, Full Stack

Jan 2014 – Dec 2018

- Developed SCADA software components in C, C++, Java, Perl and Qt for Spectrum Power 7.
- Improved product stability and performance and built custom components for client projects.
- Supported projects abroad, including the implementation of Latin America's first Energy Market Management (EMM) system in Medellín and ADMS migration planning in Vienna, with product training at Siemens sites in Nuremberg and Minnetonka.

Earlier: QA Engineer (intern), 2013 — test automation for Spectrum Power 3 and 7, and AIX vulnerability patching.

SELECTED GO-LIVES

Elvia Norway	**ADMS upgrade from Spectrum Power 4 to Spectrum Power 7.** Norway's largest grid operator; the new ADMS runs alongside the LV Insights X SaaS low-voltage platform. Siemens press release ↗
Helen Finland	**Upgrade from Spectrum Power 4 to Spectrum Power 7.** Helsinki's energy company and distribution network operator.
Caruna Finland	**SCADA version upgrade.** Finland's largest electricity distribution company.
Saudefaldene Norway	**Spectrum Power 7 version upgrade.** Hydropower producer in Sauda, Western Norway.
Copel Brazil	**Brazil's first Spectrum Power 7 go-live.** SCADA migration from the utility's in-house legacy system at one of Brazil's largest energy companies.

B.Sc. Computer Science

Pontifical Catholic University of Paraná · 2010 – 2013

CERTIFICATIONS & TRAINING

Red Hat OpenShift
Red Hat · 2025

Zabbix Foundation
Unirede · 2021

VMware Administration
PUCPR · 2018

Oracle Administration
Softsell · 2015

BEPiD — iOS Development Program
Apple · 2015 – 2016

LANGUAGES

Portuguese	Native
English	Fluent
Norwegian	B1
Spanish	A2

PUBLICATIONS

Answer Quality Prediction in Q&A Forums using Data Mining
ENIAC, 2015 · with E. C. Paraiso

Prepos Environment: A Simple Tool for Discovering Interesting Knowledge
Iberoamerican Journal of Applied Computing, 2013

Post-processing in KDD
Revista de Engenharia e Tecnologia, 2013