Natalie Fischer

// SCADA Engineer

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> SUMMARY

SCADA Engineer with 6 years building and supporting SCADA systems for water and wastewater utilities. Develops Ignition and Wonderware applications, connects PLCs and RTUs over DNP3, Modbus and OPC, and writes Python scripting and SQL for historian reports. Keeps 24/7 telemetry running for treatment plants and remote sites.

> SKILLS

• SCADA Systems • Ignition • Wonderware • DNP3 • Modbus • OPC • PLCs • Python • SQL • Troubleshooting

> EXPERIENCE

SCADA Engineer 05/2022 - Present

Delta Valley Water Agency Sacramento, CA

Public water agency serving 210,000 customers from 2 plants and 85 remote sites.

- Maintain SCADA systems for 2 treatment plants and 85 wells, tanks and lift stations at **99.9%** telemetry uptime.
- Migrated the agency from Wonderware to Ignition, rebuilding 140 screens and 22,000 tags over 14 months.
- Configure DNP3 and Modbus links to RTUs and PLCs, cutting communication alarms from remote sites by 45%.
- Write Python scripting and SQL queries for the historian and the compliance reports sent to state regulators monthly.

Controls Engineer 06/2020 - 04/2022

Central Valley Integration Fresno, CA

Integrator for water, irrigation and food plants.

- Programmed PLCs and SCADA screens for 12 pump station and filter upgrades.
- Set up OPC servers and radio telemetry for 30 remote sites, testing each link in the field.
- Documented network drawings and I/O lists that utility staff now use for troubleshooting.

> EDUCATION

Bachelor of Science 05/2020

California State University, Sacramento Sacramento, CA

Electrical and Electronic Engineering

> CERTIFICATES

Ignition Gold Certification 04/2024

Inductive Automation