

Experience

Quality Systems Specialist – Redwood Materials

August 2024 - Present

- Systems administrator over QMS, Jira, Tableau, Grafana, and Microsoft services (Sharepoint, PowerAutomate, etc.)
- Lead, plan, and build a major overhaul to the Incident Reporting and Problem-Solving application. Saving over \$50,000 a year in time
- Use SQL to create multiple dashboards in Grafana to track up to 2000 samples, lab results, material flow, etc. for engineering departments that saves \$20,000+ per year
- Use Python and Java to create applications that support multiple departments such as element weight % calculators and scripts that saves \$15,000+ per year
- Creating many dashboards within Tableau that support multiple departments and teams, saving \$3,000 a year in time
- Use of HTML, CSS, JavaScript, Java, and different frameworks to build web applications that support multiple departments
- Creation and use of scripts to automate tasks and processes across multiple systems

Quality Engineering Technician – Redwood Materials

January 2024 – August 2024

- Use of advanced microscopes and lab equipment to conduct in-depth particle and composition analysis, saving over \$15,000 in contaminated material and time
- Creation of quality and process documents including P&IDs, PFDs, control plan, training documents, CoAs, etc.
- Training of operators and other teams
- Data analysis of over 100 data sets per day with nonconformance reports
- Auditing process tools, equipment, process, and material
- Sample collection of a diversity of materials for lab analysis, business development, and quality development
- Support and work with cross-functional teams in change management, implementation, installation, testing, and development of process
- Root cause analysis, gage r&r, 8D, control plans, statistical analysis, 5 Why, PFMEA, etc.
- Continual improvement and integration of ISO 9001 and IATF16949

Quality Control Inspector – Panasonic Energy of North America

June 2022 – January 2024

- Collecting, inspecting, dissecting, and measuring 80 samples/day, saving PENA on average \$5,000/workday
- Entry of and auditing of over 2,500 data points into SCADA, Jira, Tableau, and MES
- Escalation of both out-of-spec and out-of-control samples to technicians, engineers, and/or supervisors to prevent issues ranging from low risk to catastrophic battery failure

Education

Western Governors University – B.S Software Engineering

April 2023 – April 2025

Truckee Meadows Community College – General Ed./Transfer

August 2019 – June 2021

Earl Wooster High School – IB/AP/Honors Diploma

August 2018 - June 2022

Certifications

ITIL V4 Foundations – 2024	AWS Cloud Practitioner Certification – 2024	OSHA 10 Certification – 2024
Google Project Management – 2023	Google IT Support – 2023	Microsoft 365 Fundamentals – 2023
Panasonic Lean Six Sigma Yellow Belt – 2023		

Projects

Vacation Management App – Built for Android using Java, XML, Room, Gradle
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Skills

Coding & Technical: Java, Python, HTML, CSS, JavaScript, SQL, Full Stack Development, REST API Development and Integration, Database Management, Automation Scripting, Cloud Management, SDLC. UX Design, Version Control, Systems Administration

Professional & Functional: Project Management, Data Analysis, Quality Management, Process Improvement, Risk Analysis