

# Zi Feng

## Systems Engineer

**Portfolio:** <https://zifeng.dev> | **GitHub:** <https://github.com/Zif0> | **LinkedIn:** [www.linkedin.com/in/zifeng1](https://www.linkedin.com/in/zifeng1)

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### Skills

**Coding Languages:** Java, Python, HTML, CSS, JavaScript, TypeScript, SQL

**Frameworks:** React, Spring, Angular

**Technical:** Full Stack Development, REST API Development and Integration, Database Management, Automation Scripting, Cloud Management, UX Design, Version Control, Systems Administration, Unit Testing, Functional Testing, Quality Assurance

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### Projects

**Vacation Management App** – Android Studio, Java, Room

- Android app that allows users to track and manage vacations, excursions, share information, and enable alerts
- Utilizes offline database, clean and simple UI, field validations, user logins, and reporting features

**Portfolio Website** – HTML, CSS, JavaScript

- Personal portfolio website built as a centralized portfolio with animations, contact form, slideshows, and more
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### Experience

**Systems Engineer – Redwood Materials**

**August 2024 - Present**

- Systems administrator over **QMS, Jira, Tableau, Grafana**, and **Microsoft** services
- Lead, plan, and build overhaul to the Incident Reporting and Problem-Solving application. Saving over \$50,000 annually
- Developed chemical composition calculator and scripts in **Python** and **Java** saving \$15,000+ annually
- Developed web applications with **React** and **FastAPI** that support multiple departments saving \$2,000 annually
- Created multiple dashboards in **Grafana** and **Tableau** to track 2000+ samples, lab results, material flow, etc. for engineering departments saving \$20,000+ annually
- Automated manual tasks using Python and Power Automate, improving operational efficiency

**Quality Engineering Technician – Redwood Materials**

**January 2024 – August 2024**

- Used advanced microscopes and lab equipment to conduct in-depth particle and composition analysis, saving over \$15,000 in contaminated material and time
- Created quality and process documents including P&IDs, PFDs, control plan, training documents, CoAs, etc.
- Auditing process tools, equipment, process, and material
- 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
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### Education

**Western Governors University** – B.S Software Engineering

**April 2023 – May 2025**

**Truckee Meadows Community College** – General Ed./Transfer

**August 2019 – June 2021**

**Earl Wooster High School** – IB/AP/Honors Diploma

**August 2018 - June 2022**

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### Certifications

**AWS Cloud Practitioner Certification**

**August 2024**

**ITIL V4 Foundations**

**August 2024**

**Google Project Management**

**August 2023**

**Google IT Support**

**June 2023**