Kai Richardson

kairichardson.com
kairichardson@gmail.com
linkedin.com/in/kairichardson

Experienced and dynamic developer with a track record of creating high-impact solutions to problems.
Open-source contributor & project maintainer who leads large projects from start to finish.
Demonstrated wide breadth and depth of skills that add value across product development lifecycles.

education.

University of Portland, Portland OR   May 2022
B.S. in Computer Science – Minor in Environmental Science

skills.

Languages: TypeScript/React, C#/.NET, Rust, GitHub Actions, R, ASM
Tools: GitHub, Web Components, API Design, PostgreSQL, Kubernetes, Docker, WSL, Azure Cloud

experience.

Software Engineer (Full-Stack), *Trimble Inc.*, Portland OR   May 2022 – Present
- Working to help Trimble Viewpoint connect and scale via robust ERP integrations.
- Designed and produced a CI/CD workflow architecture used by external customer integrators.
- Delivered UI and API solutions that modernized legacy ERP systems, reducing support effort.
- Building out a web components (Stencil)-based UI framework for use across our company.
- Architecting and collaborating on the responsive frontend build-out of our next-gen ERP.

FOSS Maintainer & Lead, *Space Station 13 (Volunteer),* Remote   Dec. 2016 – Present
- Managing an online game community with 400k+ players per year & ~250 Pull Requests/month.
- Continuously improving our developer onboarding and documentation, backed by UX studies.
- Coordinating our CI/CD, based around Github actions and Dockerized (compose) infrastructure.
- Maintaining a community Rust library for complex and performance-critical operations

DevOps Intern, *Trimble Inc.*, Portland OR   Summer 2020 & 2021
- Developed New Relic synthetic monitoring flows for SSL certificate expirations and other Kubernetes concerns like version upgrade management and detection.
- Created an infrastructure alerting pipeline as we transitioned to YAML-defined workflows.
- Scripted auto-renewal of Azure application gateway certificates and created a PoC of repeatable & scalable infrastructure deployments using Terraform for our microservices.

projects.

Student Makerspace Worker
- Led a team of 4 to assist students with interdisciplinary projects at our University's makerspace.
- Developed educational materials for the space and advised & oversaw student projects.

Open Source on GitHub
- Maintains community Apps/Actions and manages multiple repositories/organizations.
- Collaborates on community cross-functional projects, involving many disciplines and skills.

Maintainer of Community React Framework
- Maintains a production UI component and backend framework utilizing React & Typescript.

Senior Capstone Project – C# Email Integration
- Led a team of 5 to integrate a REST mail & event API into a company's .NET CRM platform.

References available upon request.