

Wayne Olson

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EXPERIENCE

Software Engineer, Co-Creator, Herald (<https://herald-app.github.io>)

2023

Herald is an open source application that simplifies deployment of a full observability solution for logs, traces and metrics.

Remote

- Engineered the automatic provisioning and deployment of an observability pipeline, condensing a complex multi-application deployment (Elasticsearch, Logstash, Kibana, Fleet Server) into just a few simple steps.
- Designed and implemented a distributed architecture using AWS Cloud Development Kit (CDK).
- Abstracted application components and services into custom CDK constructs for deployment on AWS resources.
- Reduced pipeline congestion and potential data loss by architecting a multi-cluster, autoscaling Elasticsearch service with automated node discovery.
- Implemented infrastructure for automated certificate generation for enabling TLS encryption across all application services.
- Containerized applications and solved complex configuration issues by building custom Docker images.
- Created CLI to facilitate set-up, configuration, deployment, and tear-down of the Herald application.
- Authored comprehensive case study discussing the use case, design decisions and implementation challenges of building Herald (<https://herald-app.github.io> ).
- Collaborated with a remote team of 4 developers across 3 time zones using an agile workflow.

Software Engineer, Self-employed

2020 – 2023

Developed open-source web applications with technologies such as JavaScript, Node.js, TypeScript, Go, Ruby, Sinatra, PostgreSQL, MongoDB, Jest, React, CSS, and HTML. Sample projects include:

Remote

- PanicBin - a real-time tool for receiving and monitoring webhooks (DigitalOcean Droplet, Express, Material UI, MongoDB, Nginx, Node.js, PM2, PostgreSQL, React)
- Smarter Contacts - an intelligent contact manager for tracking contact relationships with automated suggestions for when to connect with a contact (Express, MongoDB, Node.js, React)

Principal Broker, Owner, Olson Group Real Estate, LLC

2015 – 2022

As principal broker I drove the strategic vision and operational backbone of the company, while also directly servicing clients with the purchase and sale of residential real estate.

Portland, OR

Team Lead, Principal Broker, Redfin

2013 – 2014

I lead and developed a team of real estate agents, coordinators and associate agents for the Portland Listings Team, in addition to servicing Redfin's selling clients in the Portland metro area.

Portland, OR

SKILLS

Languages (*JavaScript, Ruby, Go, SQL, CSS, HTML, TypeScript*)

Frameworks (*React/Redux, Express, Handlebars, jQuery, Sinatra*)

Cloud (*AWS CDK, ECS, EC2, Fargate, IAM, EFS, VPC, Lambda, CloudFormation, CloudWatch, Cloud Map; DigitalOcean Droplets; Heroku*)

Other Technologies (*Git, Node.js, PostgreSQL, MongoDB, Elasticsearch, Node.js, RESTful APIs, Bash, Docker, Webhooks*)

EDUCATION

B.A. Philosophy, Classics (with honors), *University of California, Irvine*

Software Engineering & Web Development, *Launch School*