

Wayne Olson

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I'm a full-stack software engineer with multiple years experience with JavaScript, TypeScript, Node, Go, Ruby, React, Postgres, NoSQL, Docker, Infrastructure-as-Code deployments on AWS, APIs and Agile. Most recently I built Herald, an open source application that condenses a multi-application observability deployment into just a few simple steps from the command line.

EXPERIENCE

Software Engineer, Co-Creator, Herald (<https://herald-app.github.io>) 📄 2023 – present
Remote

Herald is an open source application that simplifies deployment of an observability pipeline.

- 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 – present
Remote

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:

- 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, auth0/OAuth2)

Principal Broker, Owner, Olson Group Real Estate, LLC 2015 – 2022
Portland, OR

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.

Team Lead, Principal Broker, Redfin 2013 – 2014
Portland, OR

I led 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.

SKILLS

Languages & Frameworks (*JavaScript, TypeScript, React/Redux, Express, Jest, Ruby, Go, SQL, CSS, HTML, Handlebars, jQuery, Sinatra*)

Cloud (*AWS: Cloud Development Kit (CDK), Elastic Container Service (ECS), Elastic Cloud Compute (EC2), Elastic File Service (EFS), Fargate, IAM, VPC, Lambda, CloudFormation, CloudWatch, Cloud Map; DigitalOcean Droplets; Heroku*)

Other Technologies (*Git, Github, Node.js, PostgreSQL, MongoDB, Agile, Unit Testing, Elasticsearch, Elastic Stack, RESTful APIs, Bash, Docker, Webhooks*)

EDUCATION

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