Stephen Johnston

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Experience

Creator, Software Developer, *Herald* ☐   Jan 2023 – Apr 2023

Herald is an open-source observability solution built on the ELK stack.
- Engineered the automatic provisioning and deployment of a data pipeline for the collection, processing, storage, and visualization of logs, traces, and metrics data
- Created CLI tool to facilitate set-up, configuration, deployment, and tear-down of the ELK stack on AWS
- Automated deployment of the ELK stack to the cloud using AWS CDK
- Secured communication among infrastructure components using TLS encryption
- Containerized components of pipeline infrastructure deployed with AWS ECS
- Engineered service discovery among infrastructure components using AWS Cloud Map
- Implemented auto-scaling of Elasticsearch cluster when a specific CPU-utilization threshold is crossed
- Authored comprehensive case study ☐ discussing the use case, design decisions, and implementation challenges experienced when building Herald
- Collaborated with a remote team of 4 developers across Canada and the U.S. using agile workflow

Full-Stack Web Developer, *Self-employed*   Oct 2019 – Jan 2023
- PanicBin: A real-time tool for inspecting and receiving webhooks (Node.js, Express, MongoDB, PostgreSQL, React)
- e-Cart: a database-backed e-commerce app (Node.js, Express, MongoDB, React)
- Todo Manager: A todo-tracking app (Node.js, Express, JavaScript, Handlebars).

Farm Worker, *Maple Bloom Farm*   May 2022 – Oct 2022

Aided in cultivating, planting, harvesting, and packaging organic produce for a Community Supported Agriculture (CSA) program.

School Bus Driver, *Switzer-Carty Transportation*   Sep 2019 – Nov 2020

Skills

Languages	Frameworks	Technologies	Cloud
JavaScript, Ruby, Go, SQL, HTML, CSS	Express, React, Handlebars, jQuery, Sinatra	Node.js, Git/Github, Docker, PostgreSQL, MongoDB, ELK stack, HTTP, REST APIs, Nginx, Bash, Linux	CDK, IAM, CloudMap, Lambda, EC2, ECS, EFS, CloudWatch, Fargate

Education

Saint Mary's University, *Bachelor of Commerce (Bcom), Marketing*   2011 – 2016
Member of the Men's Varsity Hockey Team   Halifax, Canada

Notable Achievements

NHL Draftee, *Detroit Red Wings* ☐   2008