Stephen Johnston

✉ sdjohnston1990@gmail.com   ✎ stephendjohnston.github.io   in linkedin.com/in/stephendjohnston

EXPERIENCE

Software Developer, Creator, *Herald* ☐   2023 – present
Herald is an observability solution that allows software developers to conveniently collect and explore telemetry data, including logs, traces, and metrics, through a single, user-friendly interface
- 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—Elasticsearch, Logstash, and Kibana—on AWS
- Automated cloud deployment of multiple Elasticsearch and Logstash clusters, and a single node of Kibana using AWS CDK
- Architected the generation and storage of certificates to ensure secure communication of pipeline components using TLS encryption
- Containerized components of pipeline infrastructure with appropriate dependencies and runtime environments using AWS ECS
- Engineered service discovery using AWS Cloud Map to ensure successful communication among infrastructure components
- Implemented auto-scaling of Elasticsearch cluster based on a CPU-utilization target
- 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

Software Developer, *Self-employed*   2019 – 2023
- PanicBin - tool for inspecting and debugging webhooks (Node.js, Express, MongoDB, PostgreSQL, React)
- BuyPal - e-commerce shopping-cart app (Node.js, Express, MongoDB, React)
- Taskify - productivity app for tracking and managing habits and tasks (Node.js, Express, JavaScript, Handlebars)

Farm Worker, *Maple Bloom Farm*   2022
Aided in cultivating, planting, harvesting, and packaging organic produce for a Community Supported Agriculture (CSA) program.

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

SKILLS

Languages & Frameworks	**Other Technologies**	**Cloud**
JavaScript, Ruby, Go, SQL, React, Express, Sinatra, Handlebars, jQuery, Jest, HTML/CSS	*Node.js, Git/Github, Docker, Nginx, MongoDB, HTTP, Bash, RESTful APIs, Linux, postgreSQL, ELK stack (Elasticsearch, Logstash, Kibana)*	*AWS (CDK, EC2, ECS, EFS, IAM, Lambda, CloudMap, CloudWatch, Fargate), Digital Ocean Droplets, Heroku, Fly.io*

EDUCATION

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

NOTABLE ACHIEVEMENTS

NHL Draftee, *Detroit Red Wings* ☐   2008