

Josh Ghiloni

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OBJECTIVE

To change the world, of course. I have nearly three decades of experience in the technology space and I am obsessed with using that acquired experience and skill to make people's lived experiences more rewarding and comfortable.

SELECTED WORK EXPERIENCE

VP of Engineering / Chief Programmer

Havrion, LLC

August 2024 – November 2025

Havrion is a company in the digital signage space with a simple value proposition: You've already spent a ton of money on your displays; you shouldn't need to spend more on hardware to make it do what you want it to do.

When I began there, Havrion was tightly coupled to the Samsung ecosystem, with its solution running on the Samsung commercial display System-on-a-chip (SOC). My charge was to bring modern software practices to a firm that is largely based in the hardware world. As part of that charge, I brought the Lean Product Management ceremonies learned from my time at Pivotal, as well as modern concepts such as continuous delivery and observability.

I also strived to widen our total addressable market by freeing us from the tight bonds with Samsung and moving us to a hardware-agnostic solution. I was nearing completion of the first iteration of that effort in November 2025, when a reorganization from Havrion's parent company eliminated my position.

Principal Software Engineer

Realtor.com

March 2022 – January 2024

I was hired at RDC to be the technical lead for the SRE team. We were a small team of primarily young engineers, and my goal was to impart my knowledge of SRE practices obtained from direct experience and from teaching other teams how to effectively implement the teachings in their own organizations.

After a reorganization in September 2022, our team became focused on quality for the consumer-facing parts of the site. This entailed maintaining and improving several internal testing tools, including k6 for performance testing, and Sitespeed.io for core web vital testing. In addition, we provide reporting tools for product quality, including Availability reporting, defect burndowns, and SEO scores. We do this primarily by maintaining tools that extract data from various sources of truth and capturing summarized reports in a data warehouse.

We worked to migrate existing tools from a primarily AWS ECS-based deployment strategy to EKS-based deployments, and I enjoyed mentoring my team on basic k8s topics like RBAC and scheduling, and more advanced topics like custom resource definitions and operators.

In addition to these primary responsibilities, as the technical lead and senior member of the team, I acted as a liaison between management and the team. This involved parsing often ambiguous requirements from management and converting them into actionable steps for these young, talented engineers. I also enjoyed the opportunity to unofficially mentor each of them, both individually and as a group. During that time, I distilled complex technical requirements with them, taught them new skills, and acted as a guide as they navigate life in a corporate environment, often for the first time in their careers.

Staff Solutions Architect**Pivotal Software / VMware
July 2017 – February 2022**

Along with my world-class team of client-facing Solutions Architects as part of VMware Tanzu Labs (formerly Pivotal Labs), I helped my clients transform the way they build and run software platforms. My job entailed shepherding a team of client platform engineers, product managers, and designers through their journey in deploying and effectively using the VMware Tanzu suite and delivering value to their customers, which are usually in-house development teams. I focused on building Site Reliability Engineering competencies, as well fostering automation-first, security-first architectures.

From May 2020 until my departure in early 2022, I led the delivery of a small in-house SRE team as we piloted a new managed service offering for our customers. In this capacity, I was able to take the SRE knowledge that we impart to our customer SRE teams, implement it myself, and work to continuously improve upon that knowledge base. I led incident post-mortems with our customers, as well as kept them up to date on the health and status of their platform.

Principal Consultant**ECSTeam, Inc., now part of CGI
November 2012 - July 2017**

As a boutique IT consultancy in Denver, CO, my time with ECSTeam first started as an infrastructure architect for Connect for Health Colorado, the ACA Exchange for the state of Colorado, based on Oracle's middleware suite. Colorado's Exchange holds the esteemed honor of being the only exchange, state or federal, that did not experience an outage on October 1, 2013, the day the exchanges were statutorily required to go live.

After that, I worked with a company that provides global imaging for both military and commercial customers. Using my polyglot skills, I was tasked with, and ultimately successful at, creating a unified system-to-system authentication and authorization system. This system had a similar, yet still idiomatic to each language, developer experience across their Java, Python, and Ruby applications.

Later, I became part of a small practice within the company focused on emerging cloud technologies. As we became a Pivotal Ready Partner, I participated in Pivotal Cloud Foundry engagements beginning in 2016. In that context, I was involved with many of the same type of engagements that I lead throughout my tenure at Pivotal.

Further Employment History Available Upon Request

PROGRAMMING LANGUAGES

Language	Skill Level	Years Used
Go	Expert	2014 – Present
Typescript / Javascript	Expert	2006 – Present
Java	Advanced	2006 – 2019
C# / .NET	Advanced	2002 – Present
Python	Intermediate	2014 – Present
C / C++	Intermediate	1997 – 2010

TECH STACKS

Cloud Hyperscalers: AWS, Azure, GCP, Linode, vSphere, Proxmox VE
Container Runtimes: Kubernetes, Docker / Docker Compose, Cloud Foundry
Backend Frameworks: Echo, Fiber, Spring Boot, Express, NestJS, Flask
Frontend Frameworks: React, jQuery, Wails, .NET Maui
Databases: PostgreSQL / PostGIS, MySQL, SQLite, MS SQL Server, Redis, DynamoDB, MongoDB
CI/CD: Github Actions, Concourse CI, CircleCI, ArgoCD
Observability: Prometheus, Loki, Grafana, InfluxDB

CERTIFICATIONS

Certified Kubernetes Administrator
Certification Number CKA-2000-007976-0100
Earned May 2020, Expired May 2023

Certified Kubernetes Application Developer
Certification Number CKAD-2000-003980-0100
Earned May 2020, Expired May 2023

Certified Kubernetes Security Specialist
Certification Number LF-2qktgivcfa
Earned July 2021, Expired July 2023

SELECTED SPEAKING

April 2022
Internal realtor.com technical conference - Techcelerate
On the Benefits of Building and Maintaining a Balanced Product Team

April 2019
Cloud Foundry Summit North America
Cracks in the Foundation - Lessons Learned from Operating Platforms at Scale

Character and Experience References Available Upon Request