

Chris Wilson

PRINCIPAL SOLUTIONS ARCHITECT · PLATFORM ENGINEER · CLOUD ARCHITECT

cwilson@styrene.io · cwilson.io · github.com/cwilson613 · TS/SCI · CI Poly

EXPERIENCE

Recro Corporation

Nov 2023 – Present

Principal Solutions Architect

- › Platform and systems architecture for Federal, DoD/IC, and commercial customers across air-gapped, on-prem, and hyperscaler environments (AWS Government/Secret, OpenShift, K8s) spanning IL4/IL6+ classification levels.
- › Designed event-driven streaming architectures enabling real-time SIEM/SOAR across global DoD facilities; built air-gapped dependency bundling and automated infrastructure deployment for ephemeral, autoscaling near-real-time data pipelines using Terraform, Ansible, and OCI containers.
- › Embedded into customer programs for tech/vendor assessments across hyperscalers, on-prem, and orchestration platforms; supported ATO, CtF, and RMF deliverables.

D2iQ (Mesosphere)

Sep 2020 – Nov 2023

Solutions Architect

- › Cloud-native architecture lead across multiple DoD programs; designed CQRS-based data pipelines eliminating major ingestion bottlenecks and enabling proactive operations at scale.
- › Delivered platform consulting to Global 2000 clients; CNCF-certified training partner for CKA, CKS, CKAD, KCNA, and DKP product courses.

Modern Technology Solutions, Inc.

Jan 2020 – Sep 2020

Senior Software / DevSecOps Engineer

- › DoD Platform One IronBank IT-Ops team; designed DevSecOps pipelines, OCI image replication tooling with KeyCloak SSO, and automated GitLab account provisioning.

Ball Aerospace and Technologies Corp.

Apr 2017 – Dec 2019

Software Engineer

- › Built DevOps and Platform Engineering capabilities for DARPA space situational awareness programs; pioneered K3s on embedded systems for air-gapped SAPF deployments.
- › Developed small-sat constellation simulation (CesiumJS, Python, OpenShift); established CI/CD for Hallmark-ST platform; redesigned ontological stream processing using RDF.

Hobart / Illinois Tool Works

Apr 2015 – Apr 2017

Software Engineer

- › Embedded application development and QA automation; unified three test frameworks into a single cross-platform suite, cutting production QA time by 50%.

PROJECTS

Omegon omegon.styrene.io Agentic systems-engineering harness — single Rust binary, ten inference providers, design trees, persistent memory, parallel task orchestration.

Styrene styrene.io Reticulum mesh networking stack — daemon, fleet management TUI, RPC over LXMF, mesh VPN, NixOS deployment for edge and embedded devices.

SKILLS

Cloud & Infra AWS · Azure · GovCloud · Kubernetes · K3s · OpenShift · Terraform · Ansible · Vault · ArgoCD · Flux

Data & Streaming Event-driven architecture · stream processing · CQRS · Lambda/Kappa · Spark · Cassandra · Mesos

Languages Python · Rust · Go · C++ · C · Java · TypeScript

Tooling Docker · GitLab · Argo Workflows · DevSecOps · IronBank · Reticulum/LXMF · LLM/MCP tooling

EDUCATION B.A. Computer Science · Wright State University · 2016

CERTIFICATIONS CompTIA Security+ CE · CompTIA Cloud+ CE