Chad Koslovsky

Systems Engineer | Production Infrastructure & Agent Tooling

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Interactive resume and work: https://wafer-core.koslovsky.xyz

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Summary

Systems engineer who moved hosted workloads from Hyper-V and VMware ESXi into Docker and Kubernetes and ran NOC escalations and recovery at Front Range Internet. Built a server-authoritative C++20 simulation with replay checks that identify the first tick where states diverge. At Technomancy IT, build access-controlled AI tool integrations and provide software and DevOps support to client teams.

Skills

- Docker, Kubernetes and hosted workload migration
- AWS, production monitoring and incident escalation
- C++20, WebAssembly and deterministic replay
- TypeScript, TSX and compiler errors
- MCP integrations, tenant-aware access and Docker release checks

Professional Experience

Founder / Product Engineer / Systems Lead

Technomancy IT LLC

Present

- Build TypeScript services and tenant-aware tooling for client software and internal workflows. Built access-controlled MCP and SaaS integrations for AI tools.
- Built container release tooling with Git-derived image tags, SQL migrations and health checks, plus a separate PostgreSQL restore verifier.

Senior Systems Engineer / Datacenter Architect

Front Range Internet Inc.

2015 - 2020

- Moved hosted workloads from Hyper-V and VMware ESXi into Docker and Kubernetes. Worked hands-on with AWS and built tooling for NOC and DevOps teams.
- Ran the NOC and handled escalations and recovery verification. Led SOC 1 and SOC 2 audits and wrote operating procedures.

Systems / Software Engineer

Office Evolution

2014 - 2015

- Built Node.js provisioning automation and a front-desk tool for Wi-Fi resets and troubleshooting. Implemented per-office VLAN isolation and access and bandwidth provisioning.

Network & Systems Engineer

PlumChoice / Everon

2012 - 2014

• Built recurring diagnostic tools and troubleshot managed client networks and endpoints on call. Worked directly with business owners and end users.

Infrastructure and Systems Focal

IBM

2010 - 2012

• Supported shared enterprise infrastructure including virtualization labs and hosted desktops. Automated audit and backup work and built an internal backup tool to reduce software licensing costs.

Selected Projects

Deterministic multiplayer engine

Independent systems engineering

• Built a server-authoritative C++20 and WebAssembly simulation. Replay records ordered inputs and state hashes; version checks and checkpoint comparisons identify the first divergent tick.

Radar-sensing R&D | ML team delivery

Long-term client engagement

• Provided full-stack engineering and DevOps setup and support alongside a data-science team developing a contactless radar sensor. Owned software delivery, not the model or device firmware.

Kerf | Compiler tooling for coding agents

Independent project · early development

• Built a TypeScript/TSX compiler and framework with actionable diagnostic feedback for coding agents. Its direct DOM updates are a web framework design, not GPU or ML compilation.

Education

Front Range Community College

Computer Science coursework

2011 - 2013

Project Links

Kerf project preview: https://kerfjs.netlify.app/