Chad Koslovsky

Product Engineer

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Summary

Full-stack product engineer who builds, runs and supports the software I ship. My work spans TypeScript interfaces, backend workflows, APIs and relational data. I built an operations platform around real support and billing workflows and created Kerf, a TSX framework focused on giving developers and coding agents actionable feedback.

Areas of Expertise

- TypeScript
- GraphQL
- Redis
- JavaScript
- React
- PostgreSQL
- tRPC
- Docker
- Node.js
- Next.js
- Drizzle
- OpenAI API

Professional Experience

Founder / Product Engineer / Systems Lead | Technomancy IT LLC | Present

Own application and infrastructure work for clients from figuring out what they need through deployment, production support, and follow-up.

- Build and operate TypeScript and PostgreSQL products for clients. Work across the interface, APIs, release path and production diagnostics instead of treating each as a separate handoff.
- Build tools and repeatable procedures for client onboarding, deployment and recovery, and remain a direct escalation contact when clients need help.
- Implement access and authentication for client systems, including AWS IAM and Microsoft Entra ID. Handle patching, permissions, HTTPS and certificates as part of ongoing client IT work.
- Build and operate TypeScript and PostgreSQL applications, integrating APIs and keeping support, billing and deployment workflows understandable for the people using them.

Senior Systems Engineer / Datacenter Architect | Front Range Internet Inc. | 2015 - 2020

Led NOC operations for hosted services and colocation customers, including monitoring, infrastructure readiness and engineering escalation when first-line troubleshooting was not enough.

- Acted as the sole systems engineer and on-call escalation point for about a year during an ownership transition while the NOC maintained first-line coverage.
- Built diagnostic tools and written procedures for NOC and engineering teams and for customers operating hosted websites and servers.
- Migrated workloads from VMware ESXi and Hyper-V to Docker and Kubernetes, and completed smaller server and firewall upgrades while supporting production operations.
- Ran SOC 1 and SOC 2 audits, translating operating controls into evidence and procedures. Ran hosted web services and worked on billing-system development and replacement.

Systems / Software Engineer | Office Evolution | 2014 - 2015

Built software and systems that connected customer onboarding, network provisioning, and ongoing support for shared-office operations.

- Built a Linux-based router that separated each customer office into its own VLAN and mapped individual Wi-Fi access to the right office network.
- Automated router and firewall setup with Node.js and provisioned per-office access, speed and bandwidth settings.
- Built a front-desk tool for Wi-Fi password resets and troubleshooting, giving reception staff a way to resolve routine issues without waiting for IT.

Network & Systems Engineer | PlumChoice / Everon | 2012 - 2014

Supported small and midsize business clients on managed networks and endpoints, with direct communication with owners and end users.

- Monitored client environments, diagnosed network and endpoint issues remotely, and took on-call escalations when troubleshooting required engineering support.
- Built repeatable support diagnostics and helped clients with managed antivirus services and endpoint protection.

Infrastructure and Systems Focal | IBM | 2010 - 2012

Served as the infrastructure point of contact for shared enterprise environments and coordinated access, changes and incidents across application, infrastructure and vendor teams.

- Managed virtualization labs and hosted desktop platforms. Wrote Perl, Bash, VBA and PHP scripts for internal operations.
- Built an internal backup tool used by executives and other staff that reduced dependence on licensed backup tooling.

Selected Projects

Kerf | Independent TypeScript framework

- Built Kerf, an early-stage TypeScript/TSX framework with a compiler, router, data layer and UI kit.
- Added compiler diagnostics for coding agents and published a preview and npm starter.

ProofMark | Client product

- Contributed to the document workflow across the browser UI, application APIs and webhooks.
- Worked with a TypeScript and PostgreSQL stack across document interfaces and product integrations.

Education

Front Range Community College | Computer Science coursework | 2011 - 2013

Certifications and Training

CompTIA A+ | CompTIA | Earned

CompTIA Network+ | CompTIA | Earned

Project Links

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

ProofMark: https://proofmark.net/