

Joshua Holland

Principal Systems & Security Engineer
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Executive Summary

Principal systems and security engineer with 9+ years of experience owning production SaaS platforms end-to-end. Proven track record designing, building, securing, and operating cloud-native systems with full accountability for reliability, incident response, security posture, and cost efficiency. Hands-on across architecture, application code, infrastructure, CI/CD, observability, and compliance.

Core Competencies

- Systems Architecture & Design
- Cloud Infrastructure (AWS, GCP, Hetzner)
- Security Engineering & DevSecOps
- Incident Response & Reliability Engineering
- Infrastructure as Code & CI/CD
- Observability, Monitoring & Detection
- Compliance (SOC 2, ISO 27001)
- Technical Cost Governance & Optimization

Professional Experience

DealerClick — Newport Beach, CA

Principal Systems & Security Engineer (March 2017 – Present)

- Own end-to-end architecture, security, reliability, and cost efficiency for 12+ production SaaS platforms serving thousands of daily users.
- Design and operate cloud infrastructure across AWS, GCP, Hetzner, and hybrid environments using infrastructure-as-code and automated pipelines.
- Lead real-world incident response and disaster recovery, reducing MTTR by over 60% through automation, observability, and runbooks.
- Define and enforce company-wide security architecture including IAM, network segmentation, secrets management, and secure SDLC practices.
- Embed DevSecOps controls into CI/CD pipelines including SAST, DAST, dependency scanning, and policy-as-code enforcement.
- Architect and sustain SOC 2 and ISO 27001 compliance programs using automation-first control design and continuous evidence collection.
- Harden containerized and host-based workloads using least-privilege access, network isolation, image signing, and runtime controls.
- Build and operate centralized observability and detection systems improving signal quality and response speed.

- Manage vendor, dependency, and supply-chain security including SBOM generation and third-party risk assessments.
- Remain hands-on writing application code, infrastructure code, and automation tooling while setting long-term technical strategy.

Selected Systems & Projects

- Multi-tenant admin platform enabling full customer self-service, reducing support tickets by 90%+ and enabling new revenue streams.
- Dealer website platform rebuild improving SEO, performance, and feature velocity while reducing operational complexity.
- Autonomous AI engineering agent integrating with GitHub to triage issues, generate code, and open pull requests with full safety and observability.
- Production integrations with financial and identity providers designed for reliability, security, and operational resilience.

Certifications

Harvard University — CS50: Introduction to Computer Science (Verified Certificate)

Languages

English — Native

Spanish — Native / Bilingual