Zach Sampson

Security-Oriented Software Developer

PROFILE

Curiosity-driven, self-taught platform engineer with 3+ years of professional experience designing and building secure, scalable infrastructure. Specializes in creating maintainable, resilient systems that balance developer velocity with strong security guarantees. Passionate about empowering teams to ship confidently through thoughtful automation, sound system design, and security-first engineering.

EXPERIENCE

Resmed, Software Developer — *Platform Engineering, Security*

November 2024 - PRESENT

- Owned, designed, and maintained Gandalf, a shift-left security initiative to proactively detect and block vulnerabilities before they reach production.
- Played a key role in delivering a centralized secrets management platform using HashiCorp Vault, improving credential security and operational consistency across teams.
- Contributed to the development of a Docker hardened base image pipeline featuring automated publishing and continuous security scanning to reduce supply-chain risk.

Byos Inc, Junior Software Developer — *Cloud Backend*

May 2022 - November 2024

- Contributed to the design and development of back-end infrastructure supporting IoT management systems for network security devices.
- Built and enhanced back-end services for customer and license management, improving reliability and supporting business-critical workflows.
- Worked closely with QA and Embedded Systems partners to ensure the reliability, performance, and scalability of cloud-based solutions.

Various Customer Service Roles

August 2016 - May 2022

- Delivered clear, professional communication across diverse customer interactions, building rapport and resolving issues efficiently.
- Thrived in fast-paced environments by adapting quickly to changing priorities while maintaining strong time management and focus.
- Consistently exceeded performance targets through high-quality service, effective problem-solving, and attention to customer needs.

CONTACT

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CORE COMPETENCIES

- Cybersecurity
- Developer Experience
- CI/CD Automation
- System Design

SKILLS & TECHNOLOGIES

- TypeScript
- GitHub Actions
- HashiCorp Vault
- Golang
- Containerization
- Agile / Scrum
- Test Automation
- Infrastructure as Code