

KEVIN P. DYER

Principal Software Engineer

<https://kpdyer.com/> | Portland, OR

ABOUT KEVIN

- Expert in applied cryptography and building secure, scalable infrastructure.
- Technical leader with deep experience in leading security initiatives across teams and time zones.
- Proven track record of identifying and successfully engineering-away entire classes of security risks.

PROFESSIONAL EXPERIENCE



Principal Software Engineer | 01/2023 - 10/2025

Snowflake

- **Company-wide Coordination:** Enabled successful product launches in new markets (e.g., China) by identifying, communicating, and mitigating risks, and establishing new security capabilities.
- **Systemic Risk Mitigation:** Identified a systemic cryptographic weakness (unauthenticated encryption), established a multi-year roadmap and collaborated with product teams to realize it.
- **Raising the Bar:** Led the company-wide transition away from passwords, implementing Multi-Factor Authentication (MFA) and migrating service workloads to more secure authentication methods.



Staff Security Engineer | 06/2021 - 01/2023

Stripe

- **Systemic Risk Mitigation:** Eliminated a major category of authorization vulnerabilities by designing and deploying company-wide, merge-time guardrails.
- **Company-wide Coordination:** Led the initial development and established the vision for robust service-to-service authentication and authorization.



Staff Software Engineer | 08/2015 - 05/2021

Google

- **Strategic Alignment:** Developed and delivered multiple security capabilities for more flexible cross-region trust, accelerating a wide range of security, reliability, and regulatory initiatives.
- **Cross-Org Coordination:** Led the cross-functional effort for storage security as the Production Security Horizontal Lead. This involved collaborating with all internal storage teams to define multi-year security roadmaps and prioritize key initiatives.
- **Foundational Infrastructure:** Engineered and enhanced core security services, such as key management and signing, foundational to nearly all Google products.

EDUCATION

- **Ph.D.**, Computer Science, *Portland State University*, Cryptography and Network Security (2015)
- **M.Sc.** with Distinction, Mathematics of Cryptography and Communications, *Royal Holloway, University of London* (2007)
- **B.S.**, Computer Science with Mathematics, *Santa Clara University* (2006)