Jeffrey Paul Goldberg

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Summary

I am an experienced security team leader, security architect, security developer trainer with an understanding of cryptography and usable security and privacy.

Education

University of California, Santa Cruz, BA in Linguistics – Santa Cruz, California	Sept. 1979 to June 1984
Stanford University, PhD (not completed) in Linguistics – Stanford, California	Sept. 1984 to Nov. 1987

Experience

Support, Chief Defender Against the Dark Arts, Principle Security Architect., 1Password – Remote	Apr. 2010 to June 2023

- 1Password is a leading password management system with a human centric approach to security and privacy.
- Explained and discussed both general and 1Password specific security concepts on company blog and in customer interactions
- Assisted in the security design of the OPVault data format (introduced in 2012) and in the security design of the 1Password service (released 2016)
- Created security manual and incident response plan
- Reviewed code (Objective-C, Swift, Go, Rust, Typescript, Java, Kotlin)
- Primary developer of SRP and password generator modules (Go, Rust)
- Managed team responsible for all aspects of product and organization security

Freelance system administration, Self employed – Riverside, California; Plano, Texas	Sept. 2000 to 2008

- Installed and managed network services for small and medium sized enterprises
- Linux and FreeBSD system setup, firewalls (m0n0wall, iptables), mail transport (exim, sendmail, UW imapd, spamassassin)

Asst. Information Officer, Network Programmer, Cranfield University Computing Centre – Cranfield, Beds., UK	Apr. 1994 to June 2000

- Cranfield University (UK) was among the very first UK universities to enable staff and students to create personal web pages.
- Taught Introduction to C Programing to Masters students in the Applied Mathematics and Computing Department (Autumn 1999)
- Set up and managed email system (exim, uw-imapd)
- Trained staff and students in web technology, PGP, and LaTeX
- Assisted information officer in developing and maintaining university website
- Unix system (OSF, Linux) administration, DNS (bind), NTP, general scripting

Researcher, Research Institute for Linguistics, Hungarian Academy of Science – Budapest, Hungary	Sept. 1988 to Nov. 1993

- Taught Syntax and Computing in Theoretical Linguistics Department
- Unix system administration work