Jeffrey Paul Goldberg

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Summary

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

Education

BA	**University of California, Santa Cruz**, Linguistics	Santa Cruz, California Sept 1979 – June 1984
PhD (incomplete)	**Stanford University**, Linguistics	Stanford, California Sept 1984 – Nov 1987

Experience

1Password, Support, Chief Defender Against the Dark Arts, Principle Security Architect.

Remote
Apr 2010 – 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 security design of OPVault data format (introduced in 2012) and in 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

Self employed, Freelance system administration

Riverside, California; Plano, Texas
Sept 2000 – 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)

Cranfield University Computing Centre, Asst. Information Officer, Network Programmer

Cranfield, Beds., UK
Apr 1994 – 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 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
- Shared responsibility for Unix system (OSF, Linux) administration, DNS (bind), NTP, general scripting

Research Institute for Linguistics, Hungarian Academy of Science, Researcher

Budapest, Hungary
Sept 1988 – Nov 1993

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