

# DAVID L. DAHL

*Technologist / Hacker  
Engineering Director*

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## CURRENTLY

**Freelance** Web Technology Architect

## RECENT POSITIONS

2013-2016: Crypton Director at SpiderOak, Inc.

2009-2013: Senior Software (Privacy) Engineer at Mozilla Corporation

2007-2008: Software Engineer at Industrial Light + Magic (Lucasfilm, Ltd.)

## SUMMARY

I have worked for and consulted with an array of companies and institutions; from Apple, Inc. and The Art Institute of Chicago to Indie record labels, Industrial Light + Magic and Mozilla Corporation.

My work on Crypton, a mobile framework for privacy-enabling applications, allows developers to write software that preserves privacy while allowing for rich online communication. Whitepaper: <https://crypton.io/crypton.pdf>

Currently freelancing for several start-up technology companies .

## SPECIALTIES

Software Project/Team Management, Web & Mobile Development, HTML & JavaScript, Cordova (PhoneGap) applications, Node-Webkit, Android, Firefox/Chrome apps and extensions, Modern Web Browser Technology and APIs. Research conferences, prepare submissions, speak at conferences and on panels about privacy.

## EXPERIENCE

**Freelance Web Technology Architect**, 3/2016 - Present  
Developing web APIs and front end UIs for several startup technology companies.

**Crypton Director**, SpiderOak, Inc. 9/2013 - 3/2016  
<https://spideroak.com> Crypton: <https://crypton.io>

Management and development of the Crypton team & framework, an open-source framework for enabling "Zero-Knowledge" privacy in mobile and HTML5 applications. As a member of the Management Team, helped raise a round of venture capital by producing company collateral and pitching investors.

**Senior Software Engineer, Privacy**, Mozilla Corporation 4/2012 - 9/2013

Worked on new and existing browser features, research, and Web APIs to increase user privacy and security. Co-founder and initial Editor of the Web Crypto API Working Group at W3C. <https://w3.org>.

**Firefox Engineer**, Mozilla Corporation 1/2009 - 4/2012

Created new Firefox browser features, browser-based developer tools, including Firefox's initial "Web Console," along with various projects throughout the Gecko codebase.

**Software Engineer**, Industrial Light + Magic 7/2007 - 12/2008

ILM training software development group. Python/Django/jQuery - based tools for training artists, software engineers and other technical staff at ILM, LucasArts, Lucas Animation and Lucasfilm.  
I re-designed, developed and maintained LOIS, a knowledge-base used by over 1000 artists.

**Software Tools Developer**, Argonne National Laboratory 6/2006 - 6/2007

Networking and Organizational software tools: Host database tools, Network database, Cisco Switch/Device tools for polling data and reporting anomalies. Concentration on Python, Django, Linux, MySQL, Postgresql.

**Software Engineer**, Leapfrog Online 12/2004 - 6/2006

Web-based ecommerce and marketing software development. PHP, Postgres, MySQL, FreeBSD/Linux, Python, SQLite and Javascript.

**Self-employed Software Consultant**, 8/2000 - 12/2008

Various database design, web application and other software projects. Clients such as Apple Computer, various Chicago-based trading firms, recording and marketing companies - as well as side projects such as 'rCache' research software.



mozilla

