RYAN LESTER

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Product-focused full-stack engineer with experience in applied cryptography, looking to add value to a larger organization

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Employment History

1 ,		
WebSign Cofounder & CTO WebSign is a patented static website host with end-to-end client-side security (co	2022 – Prode signing) – websign.app	resent
PullRequest Code Reviewer I review code in various languages and frameworks, including web/mobile apps, I've received many positive ratings, with my findings often including security fla		resent
PlusMinus Full-Stack Developer Added features to an Angular/.NET application for a Fortune 100 client, focusing	g on pixel perfection with Figma design specs	2019
Cyph Cofounder & CEO / Lead Developer Cyph is a patented user-friendly quantum-resistant end-to-end encrypted messe	nger — cyph.com	resent
SpaceX Software Design Engineer in Test Built out web UI testing stack for our internal ERP software Warp Drive; rapidly code generation and a recorder UI, made CI fast with Selenium Grid, and increase		- 2013
Robin Hood Camp Counselor & Reports Director Taught chess and Rubik's Cube (my record was 26 seconds); developed simple ad	2008 - Iministrative software in FileMaker Pro	- 2010
alks		
HackerOne Security@ "Lessons Learned in the Race to Secure Open Source" Discussed open source software security topics, the role of organizations, and po	tential future ecosystem developments	2022
W3BX "Building a Secure Bridge from Web2 to Web3 is a Fundamental Infrastructu Walked through WebSign and the critical need for it in the crypto/web3 space to		2022
TechCrunch Disrupt Off-the-record Privacy & Security panel Spoke on various privacy and security topics, including predictions on future inc	lustry and regulatory developments	2017
Black Hat & DEF CON "Abusing Bleeding Edge Web Standards for AppSec Glory" Demoed novel web security techniques and the "RansomPKP" attack concept, where the concept is the concept of the concept is the concept of the concept of the concept is the concept of	hich ultimately led to the deprecation of HPKP	2016
rojects		
libsodium.js Co-Author (open source) Official JavaScript/WebAssembly version of the widely used libsodium cryptogra	2017 – Pr	resent
pqcrypto.js Author (open source) Suite of quantum-resistant cryptographic algorithms for JavaScript/WebAssemble	y (primarily NIST PQC selections)	resent
Napster.fm Author (open source) Social music streaming application that was featured on TechCrunch and ultima	2013 - tely shut down after an unexpected lawsuit	- 2014
Stripe: Capture the Flag Winner (one of 250, out of 12k participants) CTF competition to root a Linux server; vulnerabilities I exploited include buffer	overflows, validation failures, and a timing attack	2012
atents	Education	
9,794,070 Method of ephemeral encrypted communications	MACH37 Cyber Accelerator	2014

9,794,070	Method of ephemeral encrypted communications
9,906,369	System and method of cryptographically signing web applications
9,948,625	Encrypted group communication method
9,954,837	Method of multi-factor authentication during encrypted communications
9,961,056	Method of deniable encrypted communications
10,003,465	System and method of encrypting authentication information
10,020,946	Multi-key encryption method
10,103,891	Method of generating deniable encrypted communications via password
10,419,223	Method of using symmetric cryptography for sign-on authentication
10,491,399	Cryptographic method for secure communications

2014
- 2012 nplete)
2009 or, et al.
2016

Severity: Low HTTP Public Key Pinning eviction in Chrome

CVE-2016-1694

2016