WESLEY SPIKES

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SUMMARY

An accomplished software engineer and architect with a passion for leadership, security, systems, and mentoring. I seek out challenges as opportunities for growth, handle ambiguous situations well, and can break down complex problems into creative solutions with actionable tasks.

I am seeking a challenging senior technical or leadership role at a forward-thinking company.

TECHNICAL STRENGTHS

Computer Languages	Go, Python, Bash, SQL, Perl, LaTeX
Operating Systems	Linux (CentOS, Gentoo, Ubuntu), OS X
Software	git, vim

EXPERIENCE

Squarespace — Dec 2017 - Present
Senior Software Engineer — *Portland, OR*

· Successfully kept services online during the traffic spike from our annual Super Bowl ad.
· Architected and built a black box caching system for all customer websites; increased responsiveness from the CMS and reduced the number of requests to the application by 60%, in turn reducing HW requirements to run the platform. (Go, VCL, Python, Perl)
· Designed and built a system ensuring reliable broadcast of cache invalidation requests to all cache nodes. (Go, Java)
· Built a Varnish module to offload security operations onto the cache layer. (C)
· Managed the sunsetting of early TLS support, including communication with stakeholders. (Java)

Sabbatical — Sep 2016 - Dec 2017

· Having accomplished many of the goals personally set at DreamHost, I took a year off to travel and work on a couple passion projects.
· Successfully achieved many of the goals personally set at DreamHost; took a sabbatical.
· Mentored someone new to development in C# and Unity.
· Built a tool in Go to analyze a SSL/TLS x509 certificate and return its trust chain.
· Built an interpreter in Go for an esoteric programming language.

DreamHost — Oct 2014 - Aug 2016
Senior/Lead Software Engineer — *Los Angeles, CA*

· Managed two direct reports.
· Coordinated with other teams including Systems Engineering, Security, Support, and Corporate IT.
· Managed core development infrastructure, including Gerrit and Jenkins.
· Entrusted with various sets of secure credentials. Primary maintainer of deployed credentials.
· Post-exploit incident response.
· Modernized deployment of the primary codebase and its dependencies (fully documented), cutting deployment time down from 20 minutes to around 45 seconds.
· Technical and architectural lead on the DreamPress 2, VPS-SSD, and Malware Remover projects.
· Very active in internal security bug bounty program; reported several notable issues.

DreamHost   Jan 2011 - Oct 2014
Software Engineer   *Los Angeles, CA*

· Configuration management using both Chef and in-house systems.
· Projects included the launch of mod_pagespeed (beat competitors to market) and the transition from subversion to git (including documentation and internal support).
· Major contributions to the foundations/core of an old codebase (1997), without breaking production.
· Notable contributions to the billing systems, thereby improving its resilience and extensibility.
· Created detailed documented how the fraud detection systems worked.
· Researched and documented many obscure settings and flags of the systems.
· Fixed multiple security issues in the codebase.
· Introduced CI processes from end-to-end, including: initial research/prototyping, getting buy-in, implementation, training, and supporting the new system.

DreamHost   Nov 2009 - Jan 2011
Technical Support   *Los Angeles, CA*

· Specialized in resolving complex, ongoing problems where it was difficult to find the root cause.
· Diagnosed abnormally high load systems and troubleshot customer websites.

Page Provider   Dec 2006 - Nov 2009
Systems Administrator   *Rancho Cucamonga, CA*

· Startup hosting provider.
· Built and deployed custom kernels and software for colocated customers.
· Provisioned, deployed, configured, and managed both servers and services.