

# WESLEY SPIKES

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## SUMMARY

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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

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<b>Computer Languages</b>	Go, Python, Bash, SQL, Perl, L <sup>A</sup> T <sub>E</sub> X
<b>Operating Systems</b>	Linux (CentOS, Gentoo, Ubuntu), OS X
<b>Software</b>	git, vim

## EXPERIENCE

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<b>Sabbatical</b>	Dec 2017 - Present
<i>Senior Software Engineer, Site Reliability</i>	<i>Portland, OR</i>

- 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 sunseting of early TLS support, including communication with stakeholders. (Java)

<b>Sabbatical</b>	Sep 2016 - Dec 2017
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- 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.

<b>DreamHost</b>	Oct 2014 - Aug 2016
<i>Senior/Lead Software Engineer</i>	<i>Los Angeles, CA</i>

- Leadership and Mentoring: Managed two direct reports. Involved in technical hiring.
- Architecture: Technical lead on the API2, Malware Remover, VPS-SSD, DreamPress 2 projects.
- Infrastructure: Automated system configuration for 50K machines using Chef and an in-house system.
- Core Dev: Major contributions to the foundations and billing of an old codebase (1997).
- Security: Post-exploit incident response. Reported several notable issues.

**DreamHost***Software Engineer*

Jan 2011 - Oct 2014

*Los Angeles, CA*

- Projects: Dedicated Servers, CafeCommerce
- Testing and CI: Created testing framework and practices, along with supporting CI processes.
- Git Transition: Significant contributor in transition from subversion to git.
- Research and Documentation: Created detailed documented how fraud detection systems worked.

**DreamHost***Technical Support*

Nov 2009 - Jan 2011

*Los Angeles, CA*

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

**Page Provider***Systems Administrator*

Dec 2006 - Nov 2009

*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.