

Gregory Szorc  
San Francisco, CA  
[gregory.szorc@gmail.com](mailto:gregory.szorc@gmail.com)  
<http://gregoryszorc.com/>

## Education

Case Western Reserve University      B.S.E. in Computer Engineering      2002 – 2006

## Experience

Engineer, Xobni      July 2010 - May 2011

- ◇ Primary engineer for Xobni Cloud contact and email management service
- ◇ Lead transition of operational monitoring and system management from “wild west” by utilizing Puppet and Opsview/Nagios

Software Development Engineer, Tellme Networks / Microsoft      2007 – June 2010

- ◇ Built, deployed, and maintained numerous web services and servers receiving millions to billions of queries per year while operating near 99.99% availability
- ◇ Learned and utilized practices for deploying large scale, distributed, and redundant services
- ◇ Wrote applications for aggregating and monitoring geo-distributed events for near real-time alerting and statistical analysis
- ◇ Developed enhancements to system used to provision thousands of servers
- ◇ Evangelized and deployed better tools for engineers (source code systems, code review practices, auditing practices, internal tools)
- ◇ Became go-to person for questions on Apache httpd, compiling packages, mod\_perl, others

## Skills

### *Programming Languages*

Highest Competency	C, C++, C#, ECMAScript, Perl <sup>1</sup> , PHP, Python
Intermediate	SQL, Lua (C and script), Erlang
Hobby level	Verilog, Java, D (DTrace)

*Applications*      Apache httpd (inc. C module development), APR, BASH, Cassandra, Collectd, DTrace, GDB, GCC, MySQL, \*NIX shell, OpenSSH, Opsview/Nagios, Puppet, Visual Studio, ZFS, 0MQ

*Protocols*      HTTP, TCP/IP, UDP, DNS, SIP, TLS

*Misc*      network load balancing techniques, distributed application development and deployment, scalable application design, passion for user experience

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<sup>1</sup> I'm skeptical of anyone who lists his or her Perl skills as “expert” and I'm not asserting my Perl skills are at this unachievable level