Gregory Szorc

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https://gregoryszorc.com/   https://github.com/indygreg

Experience

Mozilla   *July 2011 - December 2018*

- Technical steward of the Firefox build system; spearheaded transition from legacy tools and mechanisms that helped increase developer and automation efficiency
- Maintainer of version control infrastructure for Firefox
- Lead implementer of Firefox Health Report for Firefox desktop
- Significant contributions to Firefox Sync; required understanding of browser internals, distributed systems, data synchronization techniques, and cryptography
- Advocate and implementer of numerous tools, mostly to aid developer productivity
- Assisted in maintaining Firefox CI and testing infrastructure
- Performed most work in the public domain while working with globally distributed workforce and management
- >4,000 code reviews for Mozilla projects; >6,000 commits authored; >29,000 bug comments

Mercurial Project   *2014 - present*

- Member of *Steering Committee* governance group
- Acted as a liaison between Mozilla and Mercurial to advance Mozilla's business needs
- >2,000 commits contributed; hundreds of code reviews conducted

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

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, Applications, and Technical Areas

High Competency (today)	C, Python, build systems, Mercurial, Git, Ansible, system architecture, scalable application design, passion for user experience, version control workflows and scaling
High Competency (prior)	C#, C++, ECMAScript, Perl, Firefox extensibility, PHP, Cassandra, Collectd, Puppet, 0MQ, data syncing
Actively Learning	Rust
Intermediate	SQL, Lua (C and script), ZFS, shell programming
Hobby level	Verilog, Java, D (DTrace), Erlang

Miscellaneous

Open source contribution, distributed teams, advocate for best practices, passion for quality (and knowing when to sacrifice it)

Education

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

Selected Works

- python-zstandard - zstandard bindings for Python
  (https://github.com/indygreg/python-zstandard)
- PyOxidizer - Build standalone Rust binaries embedding Python
  (https://github.com/indygreg/PyOxidizer)
- Better Compression with Zstandard
  (https://gregoryszorc.com/blog/2017/03/07/better-compression-with-zstandard/)
- Benefits of Clone Offload on Version Control Hosting
  (https://gregoryszorc.com/blog/2018/07/27/benefits-of-clone-offload-on-version-control-hosting/)
- High-level Problems with Git and How to Fix Them
  (https://gregoryszorc.com/blog/2017/12/11/high-level-problems-with-git-and-how-to-fix-them/)
- Making MozReview Faster by Disregarding RESTful Design
  (https://gregoryszorc.com/blog/2016/01/13/making-mozreview-faster-by-disregarding-restful-design/)