GREGORY STOLL

greg@gregstoll.com
gregstoll.com
(512)736-8299
LinkedIn

Education:

RICE UNIVERSITY, Houston, TX.
B.S. in Computer Science, B.A. in Mathematics received May 2003. Graduated Magna Cum Laude.

Computer Skills:

- Proficient: C++, C#/.NET, Python, Javascript
- Some experience: Rust, TypeScript, SQL
- I have worked on various projects in my spare time, including an interactive Google Map to help spread information about the extent of damage of Hurricane Katrina which was written about by the New York Times, Forbes, and Wired. Other projects include a baseball win expectancy calculator and grapher, an interactive solver for the game of Clue, and a same-sex marriage map. These projects and more are available on my website gregstoll.com.
- Selected writings are available at gregstoll.com/writing.html, including some articles about Rust I have written for the LogRocket blog.
- I have written apps for iOS, Android, and Windows which are available at gregstoll.com/mobile.
- Some of my open-source projects are available at github.com/gregstoll.

Work Experience:

October 2022 - present: **Staff Software Engineer at Mozilla**, remote
Finished a feature to allow dynamic blocklisting of injected DLLs into Firefox and wrote a detailed post on the Mozilla Hacks blog about how it works. Maintained and improved a static blocklist of injected DLLs to improve Firefox's stability for users by monitoring crash reports. Helped implement a Data Loss Prevention interface to make it easier for third-party DLP products to interoperate with Firefox. (more information here)

October 2007 - September 2022: **Principal Software Engineer at National Instruments**, Austin, TX
Was able to ramp up on many different teams over this time. Took an existing C++ data engine and heavily optimized it to get 50x performance, including parallelizing algorithms across multiple threads, reducing allocations in hot paths, and splitting up locks into reader/writer locks. Helped add support for multiple hardware devices to be controlled over gRPC in NI's grpc-device repo. Was tech lead on features to improve building and distribution of internal LabVIEW addons. Helped lead group in transitioning to a new project with a new code base in C#. Adapted Mozilla's socorro crash reporting website for internal use to track crashes of LabVIEW and other NI products. Worked on LabVIEW Compiler team, optimizing performance, working on internal performance grid reporting infrastructure, and various other areas. Added a .NET interface with 300+ entry points to Vision Development Module.

October 2012 - August 2014: **Developer Ambassador at Nokia**
Helped support Windows Phone developers over email and in person at events. Lead organizer for DVLUP Day Dallas, an event attended by almost 200 developers.

September 2006 - September 2007: **Software Development Specialist at National Security Agency**, Fort Meade, MD
Projects include maintaining and adding new features to an Adobe Flex web applications for querying

a data store. Also maintained a Java web service running in BEA WebLogic used by multiple people internally.

July 2003 - July 2006: **Staff Software Engineer at National Instruments**, Austin, TX
Worked in the Vision group. Projects include implementing/adapting existing functionality with C and Visual Basic interfaces, designing and implementing an Image Preview Dialog box (using MFC), maintaining Vision group's automated test machine writing Python scripts to organize output, transferring documentation from a custom database to XML files, managed Visual Basic API's for IMAQ Vision, and maintaining internal IMAQ webpage. Also worked as a recruiter for NI at Rice University career fairs and interviewed job candidates.