

Matthew G. Belisle

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Job Interests

- Pentesting
- Software engineering
- Japanese to English translation

Experience

- *Security Engineer* (Jun. 2018 to present)
Workiva, InfoSec Team (Remote from Houston, TX, <https://www.wdesk.com>)
 - Performed successful pentests against many Workiva web apps
 - Developed tools for automated bookkeeping of pentest results
 - Assisted in the architecture of authentication and authorization systems
- *Software Engineer* (Mar. 2012 to May 2018)
Workiva, IR Team (Bozeman, MT and Remote from New York, NY, <https://www.wdesk.com>)
 - Wrote a Thrift server in Java that integrates with Microsoft OAuth2 and Fastpath Inc's REST services
 - Wrote a Thrift server in Kotlin that handles graph database API calls
 - Wrote a Python module that renders XML based charts as PDFs, SVGs, and PNGs
 - Wrote AngularJS components for an HTML5 canvas based document viewer
 - Wrote a Go package to deliver typesetting data over a REST interface
 - Migrated many services in Dart, Go, and Java from REST and Websockets to Thrift and NATS
 - Implemented OAuth2 exchanges for many apps, both browser side and server side
 - Wrote a Workiva specific JWT/OAuth2 lib from Go's stdlibs
- *Technical Support Engineer* (Mar. 2010 to Feb. 2012)
RightNow Technologies, Customer Care Department
(Bozeman, MT, <https://www.rightnow.com>)
 - Provided technical support for RNT's proprietary web framework (both PHP and JS side)
 - Provided general technical support for Japanese clients in Japanese
- *Web Programmer* (Dec. 2008 to Feb. 2010)
Elance (<https://www.elance.com>)
- *Japanese to English translator and technical editor* (Jun. 2006 to Feb. 2010)
Excellence-English Editing (<https://www.excellence-english.com>)

Education

- *Undergraduate* (Sep. 2006 through May 2009, not yet graduated)
Montana State University Department of Computer Science
(Bozeman, MT, <https://www.montana.edu>)
 - Cumulative GPA of 3.64
- *Foreign Exchange* (Sep. 2007 through Aug. 2008)
Kumamoto University Department of Mechanical Engineering
(Kumamoto Prefecture, Japan, <http://www.kumamoto-u.ac.jp>)
- *High School* (Sep. 2002 through Jun. 2006)
The Oaks Classical Christian Academy
(Spokane, WA, <https://www.theoakscca.org>)
 - Graduated with a cumulative GPA of 3.94

Skills

- Expertise with Java, Python, Go, App Engine, Datastore, MySQL, Thrift, AngularJS, HTML5, and Android SDK
- Familiarity with Git, Node, Docker, Grunt, Bower, Gulp, Browserify, some other dev tools
- Familiarity with Google Appengine, AWS, Digital Ocean platforms
- Familiarity with Linux things like Apache, Lighttpd, Systemd, Avahi, BATMAN, package creation
- Enjoys bacon and crypto libraries on a weekly basis
- Experience locating/exploiting vulnerabilities like XSS, CSRF, SQLI, XXE, SSRF, birthday, timing attacks, weak crypto, and DOS

Code Sample

<https://github.com/mgbelisle/science/blob/master/paxos-demo/main.go>