

# Matthew G. Belisle

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Bryan, TX

## Job Interests

- Pentesting
- Software engineering
- Japanese to English translation

## Experience

- *Staff Security Engineer* (Jun. 2018 to present)  
Workiva, InfoSec Team (Remote from , TX, <https://www.wdesk.com>)
  - Performed pentesting and wrote POC exploits against a large number of Workiva web apps
  - Performed pentesting and wrote POC exploits against a number of open source applications
  - Developed specialized tools for pentesting Thrift and AMF applications
  - Developed tools for automated bookkeeping of pentest results
  - Assisted in the architecture of authentication and authorization systems
- *Senior 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* MSU Department of Computer Science (2006-2009, not yet graduated)  
(Bozeman, MT, <https://www.montana.edu>)
  - Cumulative GPA of 3.64
- *Foreign Exchange* Kumamoto University Dept. of Mechanical Engineering (2007-2008)  
(Kumamoto Prefecture, Japan, <https://www.kumamoto-u.ac.jp/>)
- *High School* The Oaks Classical Christian Academy (2002-2006)  
(Spokane, WA, <https://www.theoakscca.org>)
  - Graduated with a cumulative GPA of 3.94

## Skills

- Java, Python, Go, GAE, Datastore, MySQL, HTML5, Electron, Android SDK, and many associated frameworks
- Git, Node, Docker, Grunt, Bower, Gulp, Browserify, and many associated dev tools
- Google Appengine, AWS, and Digital Ocean cloud platforms
- Apache, Nginx, Systemd, Avahi, BATMAN, package creation, and other sysadmin tool sets
- Bacon and crypto library consumption on a weekly basis
- POC exploitation of XSS, CSRF, SQLI, XXE, SSRF, RCE, XSHW, H2 desync, weak crypto, and many other vulns

## Code Sample

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