

Matthew G. Belisle

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Job Interests

- Pentesting
- Software engineering
- Japanese to English translation

Experience

- *Software Engineer* (Mar. 2012 to present)
Workiva, IR Team (Bozeman, MT, <https://www.wdesk.com>)
 - Wrote many services, including fastpath (Java), gremlin (Go), parts of graph and admin clients (Dart)
 - Implemented auth for the Messaging team in messaging-sdk Java
 - Wrote the go-auth v2 token library from scratch using only Go's stdlibs
 - Consumed Workiva auth for many services including graph server/client, fastpath, graph admin, viewer
 - Consumed Microsoft, Twitter, Github, Facebook, AWS, Google auth on side projects
 - Wrote the iam-cli util from scratch using only Go's stdlibs (2/3 legged tokens, bigsky sessions)
 - Wrote a couple major features for Smithy and Zuul
 - Consumed smithy/shipyard/skynet on many projects including fastpath, graph, graph admin
 - Wrote an asynchronous API over messaging-sdk that did instance routing and large payloads efficiently
 - Wrote many of the iam-services endpoints in Python
 - Helped many teams troubleshoot CORS, CSP, SSL certs, websockets
 - Found and reported twelve high severity vulnerabilities in the Workiva platform in the last year
- *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, birthday, timing attacks, DOS

Code Sample

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