

ADAM WILLIAMS

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Denver, CO

Profile Professional software engineer with 13+ years experience. Focused on Go, clean code, quality, simplicity, and mentoring. Experience leading project development and working collaboratively as part of a distributed team.

Technical

Go (golang), Ruby, Javascript	Kubernetes, Docker, Helm	Puppet, Ansible
Swift, Python, PHP, Java	Git, SVN	Openstack, AWS, Linux

Experience

Comcast February 2015 — Present
Engineer Level 4
Comcast Cable

Effectively design and implement an MPEG-TS parsing library in Go. Build application to monitor hundreds of video streams in order to provide metrics using Go, Docker, and Kubernetes.

Design and build native Go client for Apache Pulsar, collaborating with core project developers. Project was released as open-source by Comcast (github.com/Comcast/pulsar-client-go). Build distributed system for object replication.

Lead projects as "tech lead". Mentored fellow engineers. Participated in Open Source Fellowship Program.

Develop core components used for TCP & UDP custom protocol communications using Go. Follow specification documents to implement protocols.

Use Kubernetes and Helm for national deployment across multiple data centers. Develop custom CNI plugin.

Implement video decoding software using Go by following specification, allowing reduction in bandwidth and monitoring of key video distribution component.

Create custom network monitoring application. Uncover, debug, and resolve obscure longstanding DNS issue causing problems in production environments.

Setup automated testing, run load tests, analyze and correct performance problems.

Technologies Used:

- Go, Bash, Concourse, Drone
- Kubernetes, Docker, Helm, CNI, Linux

Cabify October 2013 — February 2015
Senior Developer
cabify.com

Implement new features and modify existing functionality using RoR, Node.js, Go. Introduced Go to the company, which led to replacement of most Node.js services.

Provision and maintain servers with Ansible, Bash scripts, and Go binaries deployed on Linode and AWS in multiple regions for service provided in 4 countries. Monitor systems with InfluxDB and manage CouchDB replication/backups. Build internal tools used for development: chat bot for automated tasks, Github to Trello service, ssh/config management tool, and a dashboard / weekly automated email.

Technologies Used:

- Ruby on Rails (4.x) with Ruby 2.x
- CouchDB, Elasticsearch, Redis, ZeroMQ, Go, Node.js
- Ansible, Linode
- Android

Incuentra Technologies July 2010 — October 2013
Lead Developer
www.incuentra.es

Led project creation from idea to production stage. Design site architecture and programmed front and backends. Integrate with third parties via REST interfaces. Leverage Amazon's EC2, S3, RDS, and IAM services. Maintain servers using Chef and Unix tools. Continuous deployment with Capistrano. Write unit and integration tests. Localized version for Mexico.

Technologies Used:

- Ruby on Rails (2.x and 4.x) with Ruby 1.8.7 and 2.0.0
- MySQL, Solr
- VirtualBox, Vagrant, VeeWee, Ubuntu, Amazon Web Services
- Chef, Capistrano

DixiMedia

Developer

www.lainformacion.com

Developed the online newspaper frontend using PHP and the Zend framework. Developed the CMS used by journalists with PHP and Ext JS.

December 2008 — July 2010

Just Landed

Developer

www.justlanded.com / community.justlanded.com

Developed the Ruby on Rails website using MySQL database.

June 2008 — December 2008

Ministerio de Educación

Language and Conversation Assistant

English teacher in Spanish primary school.

October 2007 — May 2008

MoCo Inc

Web Developer

Collaborated with clients to provide solutions with Symphony framework in PHP.

May 2007 — October 2007

Univ. of Minnesota Intercollegiate Athletics

Web Developer

Developed intranet using a LAMP stack. Provided helpdesk support and live statistics for sporting events.

September 2004 — May 2007

Interesting

Presenter at various Go and Ruby user groups

Co-organizer of Madrid Go meetup.
Founder of internal Comcast Go club

Human Languages

English (native)

Spanish (fluent)

Education

University of Minnesota

Dual Major, B.S. Mathematics and B.A Spanish Studies

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