

# ADAM WILLIAMS

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Denver, CO

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## Profile

Professional software engineer with 10+ years experience. Focused on Go, clean code, quality, simplicity, and mentoring. Experience leading projects and working collaboratively with remote teams.

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## Technical

Go (golang), Ruby, Javascript  
Swift, Python, PHP, Java

Kubernetes, Docker, Helm  
Git, SVN

Puppet, Ansible  
Openstack, AWS

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## Experience

### Comcast

Engineer Level 4  
Comcast Cable

February 2015 — Present

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](https://github.com/Comcast/pulsar-client-go)). Build distributed system for object replication.

Develop core components used for TCP & UDP custom protocol communications. 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.

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
- Apache Pulsar
- Kubernetes, Docker, Helm, CNI
- Puppet, Chef, Ansible

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### Cabify

Senior Developer  
cabify.com

October 2013 — February 2015

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

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### Incuentra Technologies

Lead Developer  
www.incuentra.es

July 2010 — October 2013

Led project creation from idea to production stage. Design site architecture and programmed both 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. Design and implement ideas presented by members of the company via user stories. 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
- Google Prediction API

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## DixiMedia

December 2008 — July 2010

Developer

[www.lainformacion.com](http://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.

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## Just Landed

June 2008 — December 2008

Developer

[www.justlanded.com](http://www.justlanded.com) / [community.justlanded.com](http://community.justlanded.com)

Developed the Ruby on Rails website using MySQL database.

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## Ministerio de Educación

October 2007 — May 2008

Language and Conversation Assistant

Taught English, designed lesson plans in Spanish primary school.

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## MoCo Inc

May 2007 — October 2007

Web Developer

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

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## Univ. of Minnesota Intercollegiate Athletics

September 2004 — May 2007

Web Developer

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

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### *Interesting*

Presenter at Reston Golang, Madrid  
Golang and Madrid Ruby user groups

Co-organizer of Madrid Go meetup

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### *Human Languages*

English (native)

Spanish (fluent)

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### *Education*

University of Minnesota

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

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