

# ADAM WILLIAMS

williams\_adam@icloud.com  
linkedin.com/in/williams-adam  
github.com/awilliams  
Denver, CO

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## Profile

Professional software engineer with 14+ years experience. Focused on Go, clean code, quality, simplicity, and mentoring. Experience leading project development and working collaboratively as part of a distributed team.

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## Technical

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

Kubernetes, Docker, Helm  
Git, SVN

Puppet, Ansible, AWS, Linux  
Prometheus, Grafana

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## Experience

### Fastly Senior Software Engineer

April 2021 — Present  
Fastly, Inc.

- Implement proof-of-concept projects using Rust and C@E platform.
  - Improve, fix, and maintain large Go application for on-the-fly video packaging.
  - Migrate production traffic to new servers without customer impact.
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### Comcast Engineer Level 4

February 2015 — April 2021  
Comcast Cable

- Implement and design MPEG-TS parsing library in **Go** to build application to monitor hundreds of video streams in order to provide metrics using **Go, Prometheus, Docker, and Kubernetes**. Create automated testing framework leading to improved accuracy and development speed.
  - 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.
  - Develop projects as a **tech lead**. Mentored fellow engineers. Participant of **Open Source Fellowship Program** and receiver of award for top contributor.
  - Build 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**.
  - Create custom network monitoring application. Uncover, debug, and resolve obscure longstanding DNS issue causing problems in production environments.
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### Cabify Senior Developer

October 2013 — February 2015  
cabify.com

- Implemented 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 and improved reliability.
  - Provisioned and maintained servers using Ansible, Bash scripts, and Go binaries deployed on Linode and AWS in multiple regions for service provided in 4 countries. Monitored systems with InfluxDB and managed CouchDB replication/backups. Built internal development tools.
  - **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

July 2010 — October 2013  
www.incuentra.es

- Led project creation from idea to production stage. Design site architecture; programmed front and backends. 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, AWS.
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### DixiMedia Developer

December 2008 — July 2010  
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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## *Interests*

Presenter at various Go and Ruby  
user groups

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

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## *Languages*

English (native)

Spanish (fluent)

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## *Education*

University of Minnesota

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