

# Dennis Coldwell

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<https://www.dencold.com>

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Over 15 years experience solving complex problems with proven technical prowess. Passionate and detail-oriented, striving for quality outcomes in all areas of responsibility.

Demonstrated success record in:

- **Managing global teams** and motivating people to work together on clear, shared goals.
- **Communication skills** both verbal and written. Strong belief in clear, concise communication style.
- **Architecture/system design** & test-based development to minimize bugs and free developers from the fear of change.
- **Full life-cycle management**, partnering with stakeholders for requirements, deployment and long term maintenance.

## PROFESSIONAL EXPERIENCE

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|---|--------------------------|--------------------|
| <b>Frank, Inc.</b><br><i>Head of Technology</i>   | <b>New York, NY</b>      | <b>2014-2016</b>   |
| <ul style="list-style-type: none"><li>– Sole engineer on early stage startup, responsible for all design and implementation for company.</li><li>– Backend service architecture written in Go, handles loan calculations/authentication/user networking.</li><li>– Frontend implemented as a single-page javascript app, using Polymer and web-components to compose presentation.</li><li>– Responsible for all site infrastructure. Site is deployed on AWS using load balancers, RDS, route 53 for failover resiliency.</li><li>– Code deployments use Docker containers to ensure parity between dev/production, ease rollout procedures.</li></ul>   |                          |                    |
| <b>Junction Investments</b><br><i>Head of Platform</i>  | <b>San Francisco, CA</b> | <b>2012-2014</b>   |
| <ul style="list-style-type: none"><li>– Responsible for all site infrastructure, architecture and design of platform (python/django running on AWS/Heroku)</li><li>– Designed custom application for deal lifecycle/reconciliation management. (bootstrap-based, d3 for visualizations)</li><li>– Built extensible command-line wrapper “blt”, open-sourced (MIT license) on github Jan. 2014.</li><li>– Secure document transfer process to encrypt sensitive records at rest in datastore.</li><li>– Standalone service for generating LinkedIn recommendation graph.</li></ul>   |                          |                    |
| <b>Goldman Sachs, &amp; Co.</b><br><i>Vice President – Technology   Investment Management Division</i>  | <b>New York, NY</b>      | <b>2001 – 2012</b> |
| <b>Global Manager   Quantitative Risk &amp; Attribution</b> 2006 - 2012 <ul style="list-style-type: none"><li>– Responsible for all people management, technical direction and project planning for the Portfolio Attribution system.</li><li>– Provided trading heuristics for the quantitative portfolio — \$50B of assets under management.</li><li>– Oversaw daily functioning of a 5 terabyte data store; processed over 100k monthly attribution &amp; risk analytics reports.</li><li>– Designed distributed compute grid to achieve orders of magnitude increase in throughput for attributions.</li><li>– Led a global staff, managed budgeting, career development and promotion process.</li></ul> |                          |                    |
| <b>Tech Lead   Quantitative Trading Desk</b> 2003 - 2006 <ul style="list-style-type: none"><li>– Devised Security Service for centralized lookup of realtime market data via Java RMI.</li><li>– Architected dynamic P&amp;L (profit &amp; losses) system for <i>Global Equity Opportunities</i> fund. Web (JSP based) front end.</li><li>– Vendor feed analysis and processing; implemented new framework for handling all external data generically.</li></ul>  |                          |                    |
| <b>Analyst   Trades Processing Team</b> 2001 - 2003 <ul style="list-style-type: none"><li>– Developer on the division’s central transaction routing system. Responsible for settling 1M trades per day.</li><li>– Created a new messaging API; standardized trading desks onto common protocol for processing.</li></ul>  |                          |                    |
| <b>Avid Technology, Inc.</b><br><i>Software Engineer Internship</i>   | <b>Tewksbury, MA</b>     | <b>1999 - 2000</b> |
| <ul style="list-style-type: none"><li>– Implemented new IEEE drivers to control DV cameras via a FireWire/1394 connection</li><li>– Developed C++ code revisions to make use of the STL for the MediaComposer product line.</li></ul>   |                          |                    |

## TECHNICAL SKILLS

*Languages:* Python, Go, Shell Scripting (Bash), Java, SQL, Javascript

*Frameworks:* Django, Flask, Bootstrap, Polymer, Hugo

*Datastores:* Postgres, Sybase/SQL Server, MySQL, SQLite, Redis

*Orchestration/Deployment/SCM:* Docker, Ansible, VirtualBox, Git, Subversion

## EDUCATION

**Rensselaer Polytechnic Institute**

**Troy, NY**

**May 2001**

*Dual Major - Bachelor of Science in Computer Science (B.S.) / Management (B.S.)*

## VOLUNTEERING

**Homewood Ski Patrol**

**Tahoma, CA**

**2014 - Present**

*Patroller*

- Weekend volunteer during winter ski seasons.
- Medically trained and certified in Outdoor Emergency Care in 2014.
- First responder to emergency situations on Homewood resort.

**KALX - 90.7 FM**

**Berkeley, CA**

**2016 - Present**

*On-Air DJ/Assistant Producer*

- Volunteer at the 500-watt University of California: Berkeley radio station.
- Live DJ broadcasting diverse array of self-programmed music.
- Production department assistant - sound engineer on ProTools creating public service announcements and official station announcements.