

# Dennis Coldwell

Berkeley, CA

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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

**Frank, Inc.** **New York, NY** **2014-2016**

### *Head of Technology*

- Sole engineer on early stage startup, responsible for all design and implementation for company.
- Backend service architecture written in Go, handles loan calculations/authentication/user networking.
- Frontend implemented as a single-page javascript app, using Polymer and web-components to compose presentation.
- Responsible for all site infrastructure. Site is deployed on AWS using load balancers, RDS, route 53 for failover resiliency.
- Code deployments use Docker containers to ensure parity between dev/production, ease rollout procedures.

**Junction Investments** **San Francisco, CA** **2012-2014**

### *Head of Platform*

- Responsible for all site infrastructure, architecture and design of platform (python/django running on AWS/Heroku)
- Designed custom application for deal lifecycle/reconciliation management. (bootstrap-based, d3 for visualizations)
- Built extensible command-line wrapper “blt”, open-sourced (MIT license) on github Jan. 2014.
- Secure document transfer process to encrypt sensitive records at rest in datastore.
- Standalone service for generating LinkedIn recommendation graph.

**Goldman Sachs, & Co.** **New York, NY** **2001 – 2012**

### *Vice President – Technology | Investment Management Division*

**Global Manager | Quantitative Risk & Attribution** **2006 - 2012**

- Responsible for all people management, technical direction and project planning for the Portfolio Attribution system.
- Provided trading heuristics for the quantitative portfolio — \$50B of assets under management.
- Oversaw daily functioning of a 5 terabyte data store; processed over 100k monthly attribution & risk analytics reports.
- Designed distributed compute grid to achieve orders of magnitude increase in throughput for attributions.
- Led a global staff, managed budgeting, career development and promotion process.

**Tech Lead | Quantitative Trading Desk** **2003 - 2006**

- Devised Security Service for centralized lookup of realtime market data via Java RMI.
- Architected dynamic P&L (profit & losses) system for *Global Equity Opportunities* fund. Web (JSP based) front end.
- Vendor feed analysis and processing; implemented new framework for handling all external data generically.

**Analyst | Trades Processing Team** **2001 - 2003**

- Developer on the division’s central transaction routing system. Responsible for settling 1M trades per day.
- Created a new messaging API; standardized trading desks onto common protocol for processing.

**Avid Technology, Inc.** **Tewksbury, MA** **1999 - 2000**

### *Software Engineer Internship*

- Implemented new IEEE drivers to control DV cameras via a FireWire/1394 connection
- Developed C++ code revisions to make use of the STL for the MediaComposer product line.

## 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/Sound Engineer*

- Volunteer at the 500-watt University of California: Berkeley radio station.
- Live DJ broadcasting diverse array of self-programmed music.
- Sound engineer for production department. Use ProTools for creating public service announcements and official station announcements.