

# Andy Gross

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🐦 argv0 • 🐙 argv0 • Conference Presentations: <http://lanyrd.com/profile/argv0>

## Summary

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Veteran distributed systems, database, and cloud services expert with a 15 year proven track record building world class products, services, and engineering teams. I'm seeking technology/product leadership and founder opportunities at venture funded startups.

## Experience

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### Opsee

San Francisco, CA

*Co-founder and CTO*

2/2015–7/2015

Founded with friends. Closed angels for 1.5MM seed round, hired initial engineering team, and led implementation of the MVP product.

### Twitter

San Francisco, CA

*Staff Software Engineer*

3/2014–2/2015

Technical lead for Manhattan, Twitter's self-serve internal DBaaS.

- o Implemented a distributed rate limiter/admission control system based on PID control to prevent cluster overload.
- o Wrote an extensible integration testing tool to automate verification of cluster invariants and correctness checking.
- o Worked with other tech leads and management to establish unit testing, code style, and documentation guidelines and best practices.

### Basho Technologies

San Francisco, CA

*Chief Architect*

12/2007–3/2014

Author of Riak, a leading NoSQL database and Basho's flagship product. I defined the technical and product direction as we grew the company from four to 140 employees in San Francisco, Cambridge, Herndon, London, and Tokyo.

- o Developed initial versions of all Basho Open Source and Enterprise software (Riak, RiakCS, Riak Enterprise Replication).
- o Participated in fundraising, closed licensing deals with Fortune 50 companies (Apple, Comcast, AT&T, Verizon, State Farm).
- o Presented at top industry conferences on distributed systems, guest lectured at Berkeley and Stanford on distributed systems theory.

### Mochi Media

San Francisco, CA

*Senior Systems Architect*

5/2007–12/2007

Employee #3. Helped secure funding from Accel, rewrote MVP infrastructure (message queue, monitoring system, deployment/operational tools) to handle post-launch growth. Left to start Basho with Akamai colleagues.

### Apple

Cupertino, CA

*Distributed Systems Engineer*

9/2005–5/2007

Hired to write a distributed compiler to speed builds for Apple's largest third party developers (Adobe, Microsoft).

- o Designed and implemented a distributed filesystem (see Patents and Publications).
- o Maintenance and feature development for the Xcode build system.
- o Presented work at WWDC 2006.

### Akamai Technologies

Cambridge, MA

*Senior Software Engineer*

7/1999–9/2005

Employee #75. First job was carrying 21" CRT monitors for new hires, left as Senior Engineer leading custom high-margin products for the US Government.

- o Co-designed and implemented Akamai Content Storage, the backing store for the first Apple iTunes Music Store launch.
- o Designed and implemented a reactive overlay network that became the basis for the Akamai's highly profitable IP acceleration products.
- o Created an 'Internet Intelligence Portal', aggregating IDS, BGP, and performance data for consumption by the US Intelligence Community.

## Patents and Publications

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Bumgarner, William, Adam Swift, and Andrew Gross (2012). "MIRRORED FILE SYSTEM". US8286127 B2.

Gross, Andrew R. (2012). "The Architecture of Open Source Applications". In: vol. i. Chap. Riak and Erlang.

## Education

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### Autodidact

Various

*Hacking, Learning,*

1977–Present

VIC-20, C64, Intel platforms

### University of Connecticut

Storrs, CT

*Management, Finance,*

1996–1999

Left to take pre-IPO position at Akamai