



## Anders Brownworth

### Profile

With a broad technical background and a creative entrepreneurial mindset, Anders quickly takes technologies from idea to reality.

### Experience

#### **BANDWIDTH.COM, 2005 - PRESENT: VICE PRESIDENT OF RESEARCH AND DEVELOPMENT**

- Created Holdr, an iPhone application that waits on hold so users don't have to.
- Created the Conference Starter iPhone application for starting Ad-Hoc conferences.
- Created, deployed and maintained a FreeSWITCH based backend system to support the Conference Starter and Holdr Applications.
- Designed a Hadoop-based distributed high volume log analysis system to process company-wide call detail records.
- Created and deployed Phonebooth, an SMB focused hosted VoIP phone system based on Freeswitch.
- Designed and deployed a VoIP call transaction system based on open technologies enabling Bandwidth.com to offer high volume origination / termination services to enterprise accounts.
- Engineered the server farm architecture (from the network layer through the application layer) and deployed it in multiple server farms throughout the United States.

#### **BANDWIDTH.COM, 2002 - 2005: CHIEF TECHNOLOGY OFFICER**

- As employee number 14 at a \$600,000 annual revenue company, instituted the technical direction necessary to grow the company to 60+ employees and over \$11M annual revenue.
- Designed and built from scratch the core computing platform driving the business including:
  - Hardened name servers, mail servers, routers, firewalls, a dynamic web serving environment and a distributed pricing environment.
  - Instituted "sandbox" style development environments and code repository for developers.
  - Code design and implementation of Java / JSP sites running Bandwidth.com's website and internal / customer / carrier / partner extranets and branded partner sites for clients.
  - Conceived of and created key products used to differentiate Bandwidth.com including one of the Internet's most popular Speed Tests.
  - Integrated a custom distributed pricing system with Dell's internal sales systems and external customer facing systems which demanded stringent uptime guarantees and high loads.



- Served as point person for strategic relationships between Bandwidth.com and partners such as Dell and CNet
- Reported directly to the President of the company.

**IMAGINE MEDIA, 1999 - 2001: WEBMASTER / ARCHITECT / DEVELOPER / MANAGER / SYSTEMS ADMINISTRATOR**

- Right-hand man in starting an Internet department for Imagine Media, eventually bringing them global and public.
- Built a staging and publishing system used by all Imagine properties.
- Built a Linux based server farm delivering well over 300 million hits per month of both static and dynamic content.
- Integral in leading the design and coding of the Future Content Management System, an in-house content system based on Oracle, Java / JSP and Linux.
- Worked overseas while deploying the content system in the European offices.
- Managed a core team of webmasters and systems administrators

**IMAGINE MEDIA, 1995 - 1999: WEBMASTER / DEVELOPER / SYSTEM ADMINISTRATOR**

- On site installation, administration and maintenance of Silicon Graphics infrastructure for Dow Jones.
- Other clients included the US Air Force, the Pentagon and several mutual funds.

**DOW JONES, 1997: SYSTEMS ADMINISTRATOR / ANIMATOR / PROGRAMMER**

- Programmed Java, Perl and SQL for custom real-time market data acquisition system.
- Built and ran a real-time 3D rendering system for Dow Jones television displaying up to the second market averages for daily live TV broadcasts. 3D models were injected with real-time elements from live market feeds and rendered on SGI hardware for live television.

**Education**

Stony Brook University - Computer Science

**Technologies**

iPhone / Android App Development

Ruby on Rails

NoSQL (MongoDB, Hadoop)

GSM Radio (OpenBTS, OpenBSC)

VoIP (SIP, FreeSWITCH, Asterisk, OpenSIPs)

PostgreSQL, MySQL

MacOS X, Linux, Apache, djbdns



IPSec, NAT, ipvs

**Extracurricular**

Federally-licensed helicopter pilot.

Designed the Bandwidth.com logo.

Started an iTunes top 50 podcast that was covered by the New York Times.

Avid world traveler.

Designed and taught courses for the New York University School of Professional Development (1995) and the Stony Brook University School of Continuing Education. (1996 - 1997)