Michael D. Leonhard

github.com/mleonhard   linkedin.com/in/mleonhard   tamale.net   cloudping.info   rootredirect.com
455 Bowdoin St, San Francisco, CA 94134   michael206@gmail.com   +1 415.361.1808

Work Experience

RestBackup.com, Founder, June 2010 – Present
- Designed and implemented a backup web service for desktop and mobile applications. Created app for managing backup accounts. Java on Linux, deployed on EC2, S3, DynamoDB, ELB, SQS, and SES, and CloudFront. Functional tests in Python.
- Created backup software for Windows using Python. Backup script language supports MS SQL Server, MS Access, and other file-based databases. Wrote Windows service to upload in the background. Inno Setup installer scripted in Pascal. Automated tests on 12 flavors of Windows.
- Sales via cold calling and direct mail. Tech support.

Amazon.com, Software Development Engineer, Sep 2007 – Apr 2010
I worked at Amazon Web Services on SimpleDB, a hosted NoSQL database service. I was fortunate to work in many different capacities on the team:
- Core Product Development: I owned the SimpleDB subsystem that gathers and reports customer usage for billing purposes. I wrote, tested, and deployed new versions to keep up with SimpleDB architecture changes. I set up the subsystems in Amazon's Northern California, Ireland, and Singapore data centers. I also wrote and maintained operations documentation.
- Testing: I wrote functional tests for new features, increased test coverage of existing features, and implemented regression tests. I wrote and maintained the network partition test that stresses the distributed architecture of SimpleDB. With this test, we made SimpleDB tolerate all kinds of network and server problems.
- Operations Automation: I joined SimpleDB as a new graduate and spent some time developing and maintaining the team's operations tools. I wrote and maintained command-line tools, web-based tools, monitors, alarms, automated processes, documentation, and procedures.

Opportunity International, MIS Assistant (Part-time), Mar 2001 – Aug 2007
I managed servers and networks, maintained the website, and supported onsite and offsite users.

Education

Bachelor of Science in Computer Science, University of Illinois at Chicago, Dec 2006
Published Research Paper: A Comparative Study of Three Random Password Generators. IEEE EIT 2007.

National Taiwan Normal University, Mandarin Training Center, Taipei, Aug 2010 – Nov 2011
Studied Mandarin Chinese full-time.

Chiba University, Japan, Exchange Student, Oct 2004 – July 2005
Studied Japanese language and culture. Awarded Freeman Asia Scholarship and J-PAC stipend.