

Sam Sandberg | pile of guacamole

US Citizen – Brooklyn, NY

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Skills

- Concepts: OOP, Design Patterns, SOA, APIs, Frameworks, ORMs, Version Control, Unit Testing, TDD, Logging, Documentation, Relational DBs, NoSQL, Big Data, Data Mining, Machine Learning, LBS, OSS, TCB, AWS, Heroku, Prototyping, Scrum, Agile
- Languages/Frameworks/etc: Python, Django, Flask, Celery, Android, Java, Bash, PHP, C, C++, Git, PostgreSQL, MySQL, Redis, Cassandra, Hadoop, Solr, ElasticSearch, JavaScript, JQuery, HTML, UML, TLA, Arduino, Raspberry Pi, English, some Spanish/French/Slovenian/Danish

Experience

- Hifi** **New York, NY**
Chief Architect *November 2013 – Present*
Personally responsible for design/creation/maintenance of all technology at Hifi
- Platform
 - Elaborate data models (both relational and highly-optimized non-relational), Custom ETL data ingestion process, API, Partner integrations, Setup and maintenance of AWS/Heroku infrastructure, DBA for Postgres / Redis stores, Systems and stats monitoring, Company coding style guidelines, Deployment procedures, Testing/continuous integration, Documentation, Product planning/team organization
 - Recommendations framework
 - Implementations of various recommender models, Regular model training and validation, Internal recommendations API
- GetGlue** **New York, NY**
Backend Engineer *April 2013 – November 2013*
- New V3 API, Custom Twitter/Gnip integrations, Advertising platform, Email alerts, Data layer
 - Housekeeping items: Testing/code coverage, Wiki/documentation, Internal company Hubot
- Zemanta** **Ljubljana, Slovenia / New York, NY**
Backend Software Engineer *February 2011 – April 2013*
- Custom sales software solution, Partner Dashboard tool
 - Research on semantic topics/user behavior/the state of the blogosphere
 - Presentations at a local Slovenian hackerspace/Ljubljana University/NY Tech Meetup
- The Orchard** **New York, NY**
Senior Web Developer *June 2010 – February 2011*
- Music/video encoding/delivery system, Artist Builder product
- Kargo** **New York, NY**
Software Developer *May 2007 – June 2010*
- Custom DAM (still in use today), Custom statistics suite, Platform engineering, DBA for multiple replicated MySQL pools
- The George Washington University** **Washington, DC**
Teaching Assistant *September 2007 – May 2008*
- Fall semester: TA for CS135 Computer Architecture, Spring semester: TA for CS53 Intro to Java Programming

Education

- The George Washington University** **Washington, DC**
Computer Science (Masters of Science), GPA: 3.88/4.00 *Fall 2007 – Spring 2008*
School of Engineering and Applied Science
- The George Washington University** **Washington, DC**
Computer Science (Bachelor of Science), GPA: 3.61/4.00 *Fall 2003 – Spring 2007*
School of Engineering and Applied Science, Sigma Alpha Mu
- Denmark International Study Program** **Copenhagen, Denmark**
Semester Abroad *Spring 2006*
Humanities and Social Sciences Program

Interests

- beer, camaraderie, concerts, cooking, cycling, family, hacking, languages, New York, the ocean, playing music (piano/guitar/drums/whatever), skateboarding, software development, solving problems, snowboarding, sports, teamwork, travel, vinyl