

Arnold Noronha

5833 Logan Ave S,
Minneapolis, MN 55419

arnold@tdrhq.com
650-276-6501

EDUCATION

- University of Pennsylvania**, Philadelphia, PA Sept 2008–Dec 2009
Master of Science in Computer and Information Science
- Chennai Mathematical Institute**, Chennai, India Aug 2005–Apr 2008
Bachelor of Science in Mathematics and Computer Science

EXPERIENCE

Facebook, New York, NY Aug 2012–May 2018

- *Android Newsfeed Platform:*
 - Built **screenshot-tests-for-android**, to prevent rendering regressions in Android newsfeed. Open source, talked about at DroidCon NYC 2015.
 - Worked on the Android app cold start
 - Built and maintained the CI infrastructure to run **instrumentation tests** at Facebook scale
 - Built a widely used **micro-benchmarking** framework which caught performance regressions
 - Built the **code coverage** tools used by all of Facebook's mobile (iOS included) engineers
 - Worked on a challenging internal tool that automatically modified *BUCK* files to add missing dependencies, used by almost all android developers at the company.
 - Actively pair-programmed. Managed two interns on this team.
- *Android Check-In:* Modernized the Android Check-In screen. Implemented designer's mocks, optimized performance. Worked with data scientists to build products to improve engagement. Managed an intern.
- *Cold Storage:* First engineer on Cold Storage, designed to backup and restore petabytes of data reliably. Wrote a high-performance Reed-Solomon encoding library in C++. Roughly one year. Managed an intern.

Hawthorne Labs (likealittle.com), Palo Alto, CA Jan 2011–July 2012
First employee at a fast paced startup. At peak we were handling several million users a day, with frequent TechCrunch coverage. Built and worked on all parts of the stack, from UI, to backend, to databases, to administration, to infrastructure and backups, to doing the dishes. Built and maintained all of our test infrastructure. Built two Android applications: one in Scala and one in Java. Worked on Ruby on Rails, MySQL, Javascript, Scala, Java, C.

Google Inc., New York, NY Jan 2010–Jan-2011
Built the permissions infrastructure for Doubleclick for Publishers, among other work. Worked in Java, Google Web Toolkit. Took advantage of all the learning opportunities at Google.

AWARDS

- Doctoral Fellowship, University of Pennsylvania, 2008-2009
- ACM International Collegiate Programming Contest (ICPC) World Finalist, 2008
- International Olympiad in Informatics (IOI), 2005, Bronze medalist.

SKILLS

Professionally I've worked with Android, Java, Python, C++, C, PHP, Ruby on Rails. Personally, I also do a lot of hacking in JavaScript and Common Lisp.