

Steve Pomeroy

Resume

Education

- Fall 2000–Fall 2005 **Bachelor of Science**, [Rochester Institute of Technology](#), Rochester, NY.
Received a Bachelors of Science in [Computer Science](#) from the Rochester Institute of Technology. Concentrated in computer security, computer language construction, Japanese and psychology.

Experience

- April 2013–present **Senior Software Engineer**, [LevelUp](#).
Developed Android application software, focusing on SDK design and development.
- 2007–2013 **Systems Designer & Lead Mobile Developer**, [MIT Mobile Experience Lab](#).
Lead the development of and participated in the design of numerous projects. Functioned as lead developer for most of their implementations. Duties in projects mostly centered around Android app development, but also included concept development, on-site technical assistance, UI design, technology research and consulting, photography, embedded programming, and hardware prototyping. See mobile.mit.edu/research for a complete list of projects.
Designed and developed an Android-based mobile application framework for creating location-based media apps ([Locast](#)); implemented a number of apps using this framework. Designed and developed Android-based libraries to modularize some parts the above framework. See github.com/mitmel for some of the aforementioned projects.
Directed consolidation of lab's electronic identity; designed, built, and maintained infrastructure for the lab's internal computing and public web resources; misc. web development.
- 2007–2008 **Systems Programmer**, [MIT Media Lab](#).
Technical lead for main website redesign. This was implemented using a popular free software CMS, which was extended by way of custom pluggable modules to support synchronization with internal databases. Designed and built tool for creating content-managed, stylized masthead graphics.
Designed and developed a web-based management tool for student SVN repositories. Designed and built a web-based access control system which allowed students to manage SVN collaboration amongst themselves as well as with their external sponsors. Co-designed and developed a web-based discussion forum intended to meet the needs of the Media Lab community.
Packaged home-grown authentication system and other tools as Debian packages in order to facilitate distribution amongst internal servers; built Xen-based VM hosting service; misc. systems administration duties, mostly focused around administering Debian machines.

Computer skills

Technology (years of experience)

Languages	JAVA (13), Python (10), C for AVR microcontrollers (4), JavaScript/ECMAScript (8), C++ (2), Perl (8)
Platforms	Android (5), Django (4), Arduino (2)
Systems Administration	Debian GNU/Linux (13), Redhat GNU/Linux (2)
Web	XHTML (13), CSS (13), RESTful architecture (6), XSLT (3)

Published software

Repositories staticfree.info on Google Play, staticfree.info/projects/, github.com/xxv

[Android Units](#) Designed and developed an Android version of the classic GNU Units application. The app has had over 85k user installs on Google Play.

[Android robotfindskitten](#) Developed a version of robotfindskitten for Android. The app has around 18k user installs.

[Shared Expenses 2](#) Open source group web-based expense management system written in Python.

Interests

Technical	open source/free software (primarily self-published software mentioned above and have contributed patches to various projects). Internet standards, implementing and designing communication protocols, XMPP/Jabber, SIP, computer languages, The Semantic Web, cryptography, microcontrollers, robotics, wearable computing
Non-technical	photography , woodworking, cycling, hiking, mathematical art, linguistics