

# Ricky Ayoub

developer, programmer, youtuber, novelist

This version of my  
Résumé does not include  
personal information,  
including references.

Please email me if you  
would like to get in touch.

[me@rickyayoub.com](mailto:me@rickyayoub.com)

## Employment

### Systems Software Engineer, Hewlett-Packard

May 2015 - present

Work in HP Storage on Platform Management Layer (PML), a JVM service (Java+Scala) that sits in-between the low-level file/system modules and user-facing HTTPS REST interface. Multiple PMLs define a failover cluster of servers. Used in 3PAR product. Implement core functionality including RBAC, user authn/authz, LDAP/AD, site configuration. Utilize dependency injection, a large codebase, and functional programming.

### Software Engineering Intern, Red Hat

Summer 2014

Contributed to various open-source Red Hat projects, including Logical Volume Management, Shared Storage Manager, and Cockpit. Debugged and documented code for the Linux kernel and met with a SCRUM team of full time employees to discuss future of the software. Met daily over IRC and weekly over VoIP.

### Rails Developer, Shapd.co

Summer 2013

Developed and maintained the backend Ruby on Rails application for Shapd.co, a 3D-printing startup company in Boston. Responsible for deploying to Amazon EC2 with Elastic Beanstalk and maintaining database as well as client-side JavaScript code. Utilized Stripe API to capture live credit-card payments, as well as OAuth for login.

## Education

### University of Massachusetts Amherst

2011 - 2015

*B.S. in Computer Science, concentrations in Software Engineering and Artificial Intelligence, 3.7 GPA overall.*  
Courses completed: Programming with Data Structures, Programming Methodology (Design Patterns), Introduction to Computation, Computer Systems Principles (C/C++), Algorithms, Software Engineering, Web Programming, Reasoning Under Uncertainty (Statistics), Artificial Intelligence, Computer Vision, Operating Systems, Networking, iPhone Programming, Natural Language Processing, Software Synthesis & Evaluation.

## Personal Computing

Contribute daily to open-source projects, fork me on GitHub. Extensive knowledge of Python, JavaScript, Ruby, Java, C/C++, Swift, Scala. Tools: git, vim, curl, ssh, bash. Favorite frameworks: Express, Socket.IO, CherryPy.

Frequently install Linux distributions and free software to local home server and remote Digital Ocean server. Manage multiple domains and utilize Nginx to serve/delegate requests. Favorite distros: Debian, Fedora.

## Personal Endeavors

### iOS and Android Developer

December 2011 - present

Conceive, design, and create apps for iOS and Android phones and tablets. Troubleshoot and tweak apps for glitches based on feedback from users. The applications must meet the needs of various models and versions of phones, so addressing user feedback is essential. 50,000+ total downloads.

### YouTuber (YouTube Partnership Program)

2006 - present

Upload weekly videos showcasing code modifications and hacks made to Nintendo games, with tutorials and tools hosted on my website. Recently also includes videos of my Wii U homebrew releases.

### Self-published Novelist (NaNoWriMo)

November 09, 10, 11, 12, 13, 14

Participated in and successfully completed National Novel Writing Month, a yearly event where contestants must challenge themselves to write a 50,000 word Novel over the course of November. Self publish via CreateSpace.

Learn more at [rickyayoub.com](http://rickyayoub.com)