

KAITLYN HANRAHAN

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Software Engineer with 18 years experience; 10 years Android. Proven track record of delivering products and features, prioritizing big-picture while keeping track of small details. I enjoy teaching others and being a dependable teammate.

I'm seeking a team that can push me to grow and where I can deliver above expectations.

Lucerne, Zurich, or Remote EU

EMPLOYMENT

Simply Digital OÜ

Mobile App Company

Rome, Italy

July 2013 - Present

Founder, Technical

- Built a task management Android app with 50k installs
- Implemented anonymous, free, and paid user accounts using Firebase Authentication, Google Analytics, and subscription in-app-purchases
- Designed and implemented system for backup and sync of user's local SQLite data into Firebase Database
- Implemented collaboration system with permission management, invitations to join, ownership handoff, and last write wins data management
- Designed a push notification system for task reminders using Firebase Functions with GCP, Node.js. Additional notifications sent via Customer.io integration for engagement
- Implemented transactional email system with SendGrid (Twilio) and Node.js

Founder, Product & Business

- Hired and managed 1 design, 2 copy editing, and 1 admin contractors
- Mentored 2 engineering and 2 marketing interns
- Built interactive client-side UI with a one of a kind scheduling system, analytic graphs of user data, onboarding, themes, alerts, dynamic color manipulation, privacy and GDPR compliance
- Optimized Google Ads down to a \$0.11 CPA for installs (industry average is \$0.30 - \$3.00)
- Created video content for user education and marketing - [youtube.com/@simply-digital](https://www.youtube.com/@simply-digital) Using in-home live recording studio, Premiere Pro (video editing), GarageBand (sound editing), PhotoShop

Contracting

Software Engineer

Rome, Italy

July 2010 – June 2013

- Founded a consulting company aimed on small business market; focus on Flex and WordPress consulting

Adobe Systems, Inc.

Automation Tools, Acrobat & Reader

San Francisco, USA

June 2007 – July 2010

Software Engineer

- QE Branch Manager, qualified all test changes from all US and India-based Quality Engineers
- Project owner for installer testing of Adobe Acrobat, including automation system and physical devices
- Led effort that increased testing coverage by doing user interviews with QA, redesigning and building new UIs for existing tools, and redesigning process for turning around results of desired testing matrices
- Led multiple data modeling efforts for new and existing systems, severely increasing data normalization
- Contributed features to automation framework in Python above expectations and ahead of schedule
- Increased code coverage of Flash embedded in Acrobat from 0-60% by creating training program for QA

Internships

Intercomm May – June 2007 **Belfast, N. Ireland**

- Shadowed and assisted Peace Building Program Coordinator (NGO)

Prudential: Pramerica Life May – August 2006 **Milan, Italy**

- Solved database reporting problems using ACL, Crystal Reports, AS400 and proposed system changes

State Street Global Advisors June – December 2005 **Boston, USA**

- Completed web application and database reporting assignments

PROJECTS

- Top English-speaking YouTube channel for the game Hustle Castle (77MM installs), [youtube.com/@foonhc](https://www.youtube.com/@foonhc)
- Created written guide that receives 2k unique users and 5k views monthly, hustlecastle.site

University Research Project

- Assisted Professor Agnes Chan, Associate Dean Director of Graduate Programs, in developing an internet voting website for university with guidance from security and networking PhD students

Computer Summer Camp Coordinator

- Presided over student group organizing programming summer camp, both curriculum and logistics
- Acted as liaison to university administration, a position replaced by a full-time hire when I graduated

Adobe Flex Workshop | Boston, MA

- Wrote 6-week / 9-hour lecture and lab curriculum for a wide range of student abilities
- Coded learning supplements for going deeper into the topics

EDUCATION

Northeastern University, Boston, USA September 2003 - May 2008

Bachelor of Science in Computer Science and Information Science (Dual Major)

- Excellence in Teaching Award (1 of 2 distinctions for class of 3k graduates); Dean's List; Honors Program
- President ACM Chapter, Won 4 ACM Excellence Award in 5 years against world wide competition

SKILLS SUMMARY

- **Programming Languages:** Java, JavaScript, SQL. Additionally: Python, Ruby,
- **Technologies/Frameworks:** Android; Firebase Database, Analytics, Authentication, Functions, Cloud Messaging; Crashlytics; Google Cloud Platform; WordPress; Adobe Creative Cloud
- **Specialties:** User Experience, Data Integrity, UI Design, Project Ownership, Writing, Teaching

INTERESTS

- **Languages:** English (native), Italian (C1-C2), German (A2 and learning)
- **Writing:** Blogs, Videos, Quora Top Writer 2016
- **Learning:** UI/UX, Tech, Android, Entrepreneurship, Content Creation, Marketing
- **Hobbies:** Photography, Videography, Ballet, Yoga, and Hiking