Alberto Aguilera

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Profile

I'm a software developer who likes learning about different technologies when I have the time, because I believe it helps to think out of the box and get new ideas. What I'm particularly interested in is machine learning and big data, which will be the next thing I take on.

I like to try and contribute to other people's projects, even if it's only by reviewing code and giving my opinion on how it could be improved. I love to start new projects and see how these slowly grow. Sometimes, I also like to publish tiny bits of code I write, even if it's just as a future note for myself. For this, I always use https://github.com/drimer

Professional experience

- **eporta.**
  Full-stack Developer *05/2015 - 09/2015*
  - As part of a small team of full-stack developers, I had to expose myself to different technologies and needed to play different roles, intermittently, as Developer, DevOps, tester and sysadmin.
  - Technologies used: Python, HTML, LESS, jQuery, AngularJS, Amazon S3, Django, Fabric, Postgres, Jenkins

- **Geneity Ltd**
  Software Engineer *03/2014 - 05/2015*
  - Developed automated processing of external data coming from feeds in order to track latest updates on sports events.
  - Added new functionalities to Geneity's sportsbook, on a per customer's requests basis.
  - Actively involved with Test Automation.
  - Improved code quality and development process by introducing TDD in the company and help other developers write better unit tests.
  - Technologies used: Python, Docker, PL/SQL, Jenkins

- **YouView TV Limited**
  Software Engineer in Test *10/2012 - 03/2014*
  - Maintained a platform that distributes test execution among different machines and set-top-boxes.
  - Extended coverage of the test suite and maintained the existing tests.
  - Wrote Python tools and libraries to make the tests readable by other non-technical teams.
  - Analysed bugs in the set-top-boxes by going through logs.
  - Technologies used: Python, Flask, HTML/CSS, Javascript, Bash, DBus, Jenkins

- **Ábaco Andaluza de Arte y Artesanía S.L. (internship)**
  Webmaster *11/2011 - 03/2012*
  - I did an internship in this company as web developer of libreriababilonia.com and abacoarte.com.
  - I maintained both webpages following SEO specialists' demands for positioning and adding new features. Using: Python, Django, HTML/CSS, PHP, Prestashop.

- **Campus Party** **Valencia, España**
  Dinamizador *07/2007*

- **Andalucía Compromiso Digital (Cruz Roja)** **Jaén, España**
  Volunteer *11/2008–10/2009*

- Volunteers in ACD are to bring people near new technologies. Their main purpose is to let everyone use any technological device, regardless their age, ethnicity or special conditions.

Skills

- **Python:** Advanced
- **Git:** Advanced
- **Linux:** Advanced
- **Bash:** Advanced
- **Django:** Intermediate - Advanced
- **Javascript:** Intermediate
- **HTML/CSS:** Intermediate
- **ANSI C:** Intermediate
- **C++:** Intermediate

Test development: I have experience with Continuous Integration practices, using Jenkins as a CI tool, writing libraries and tools to test the UI of set-top-boxes, as well as identifying issues at lower levels by analysig logs i.e. (dbus, serial), reporting and keeping track of them using JIRA.

Web development: Experience with Django, HTML, jQuery and AngularJS.

DevOps: Experience following development through its all phases and managing different environments of the same platform.

Operating Systems: I'm a casual user of Windows, and a daily user of Linux. I am used to dealing with all sorts of problems by using the Linux shell.

Desktop development: I have used Java several times, as well as C++ with Qt, and Python with pyGtk.

Education

- **Introduction to Project Management**
  City University of London   *2013*
- **Bachelor of Engineering in Computer Science**
  University of Granada   *2009 – 2012*
- **Introduction to Artificial Intelligence**   Online Course
  Stanford University   *2012*
- **Introduction to Robotics**
  University of Jaén   *03/2006*

Languages

- **Spanish:** Native
- **Catalan:** Native
- **English:** Certificate of Advanced English (Cambridge ESOL)