

Alessandro Candolini

SOFTWARE ENGINEER · PHYSICIST · DATA SCIENTIST

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Skills

Programming Python, C/C++, Scala, JAVA, Node.JS, OCaml, LaTeX
Web Django with Python, Express with Node.JS, HTML5, LESS
Languages Korean, English, Japanese, Chinese

Experience

Spotlime

Milan, Italy

ANDROID SOFTWARE ENGINEER

September 2014 – present

I am responsible of the development and implementation of the native Android application for Spotlime, a startup that provides an app to discover the best events in Milan and Rome. Duties and responsibilities:

- develop from scratch the Android native application for Spotlime;
- provide level of effort to support new functionalities and integrate them, choosing the implementation strategy, reviewing suitable libraries, and evaluating the best way to achieve the expected behavior;
- work alongside marketing team to deliver a product closer to real user needs, promoting solutions that helps improving user experience in response to end user feedback and analytics data;
- work alongside server-side and iOS developers to coordinate the upcoming releases in accordance with CTO directives;
- help to develop Spotlime official website using mainly JSF and primefaces technology.

Company website: <https://www.spotlimeapp.com/web/bin/index.xhtml> The Android app is freely downloadable from Google play store: <https://play.google.com/store/apps/details?id=com.gooutsrl&hl=en>

Usablenet - leading global mobile and multi-channel technology company.

Udine, Italy

LEAD QUALITY ASSURANCE ANALYST

October 2012 – August 2014

After few months working as a quality assurance analyst, I have soon become quality assurance team leader at Usablenet, a leading multichannel technology company. Duties and responsibilities:

- working in synergy with web developers, project manager, solution engineer team and client to consistently deliver high-quality products that fulfills customer expectations;
- monitor and track project status during all steps, to meet deadlines and ensure all scope changes, variances and contingences that may arise during the projects lifecycle were visible to all people involved
- be a go-to person in the team
- Ability to prioritize and track multiple projects in parallel, manage allocation of resources within the team, supervise and support my team activities
- test plan and test cases creation using TestLodge
- promote new strategies to speed up effective communication among all teams involved in the project, suggesting improvements to current workflows and defining new internal procedures
- debugging and monitoring of customized web analytics solutions and technical requirements (for example requirements involving akamai technologies)
- developing small scripts (mainly using Python+JQL) which help to retrieve project information from Jira and provide automatic statistical reports about project status

Personally responsible as QA analyst of: Camelot Group (UK National Lottery, including the launch of the mobile website for the new lotto raffle on October 2013), Dell Inc. (22 countries including US, UK, China etc), FedEx, MaryKay, Selfridges, Surfstitch and many others. Proven ability to work under pressure responsibly and fulfilling high expectations. I have been involved in 247 QA support, which requires ability to quickly gain familiarity with unknown projects, providing insights which help to spot the root cause of the issues and testing if it has been solved successfully. Company website: <http://usablenet.com/>

University of Udine

Udine

TEACHER (ON CALL)

2006 – 2012

I have been asked to teach the *Esercitazioni guidate di Fisica per il Corso di preparazione al Test di ammissione alla Facoltà di Medicina e Chirurgia* at the University of Udine (support training lectures organized for students who have to perform the examination test to enter the first year at the faculty of Medicine).

R.U.E. Risorse Umane Europa (no-profit association)

Udine

IT TECHNICAL EXPERT (ON CALL)

September 2011 – August 2012

Handling the IT issues in a small office (5 employees): pc, network and website maintenance

Consorzio per la Fisica

Trieste

L^AT_EX 2_ε TYPESETTER

January 2010 – December 2010

I typeset prof. E. Gozzi lectures notes for his course of Quantum Mechanics. The notes are currently available at

<http://www-dft.ts.infn.it/~gozzi/QM2.pdf>

I.N.F.N. (Istituto Nazionale di Fisica Nucleare)

Trieste

C++ DEVELOPER AS VOLUNTEER

February 2008 – May 2008

Development of a object-oriented C++ library for uniform and non-uniform pseudo-random number generations, including some state-of-art algorithms

Education

POSTECH(Pohang University of Science and Technology)

Pohang, S.Korea

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2010 - PRESENT

- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

S.Korea

CORE MEMBER

Nov. 2011 - PRESENT

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)

S.Korea

MEMBER

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - PRESENT

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

- 2014 **Finalist**, DEFCON 22nd CTF Hacking Competition World Final
- 2013 **Finalist**, DEFCON 21st CTF Hacking Competition World Final
- 2011 **Finalist**, DEFCON 19th CTF Hacking Competition World Final
- 2012 **6th Place**, SECUINSIDE Hacking Competition World Final

Las Vegas, U.S.A

Las Vegas, U.S.A

Las Vegas, U.S.A

Seoul, S.Korea

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	2nd Award , HUST Hacking Festival	S.Korea
2010	3rd Award , HUST Hacking Festival	S.Korea
2012	3rd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	2nd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	5th Place , PADOCON Hacking Competition Final	Seoul, S.Korea

Presentation

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Program Committees

2013	Organizer & Co-director , 1st POSTECH Hackathon	S.Korea
2012	Staff , 7th Hacking Camp	S.Korea
2012	Problem Writer , 1st Hoseo University Teenager Hacking Competition	S.Korea
2012	Staff & Problem Writer , JFF(Just for Fun) Hacking Competition	S.Korea