


Álvaro Brey Vilas

SOFTWARE DEVELOPER

+ CONTACT

Location Santiago de Compostela, A Coruña, Spain

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+ ABOUT ME

I am a generalist software developer and DevOps engineer. I am passionate about automation and clean code.

I love trying new techniques and technologies. I am quick to learn the basics of new tools and gradually build proficiency in them.

I am also an open source enthusiast with various published repositories and contributions to many public projects.

+ EXPERIENCES

2018 - Present **FRONT END DEVELOPER / DEVOPS ENGINEER**

Imagames Gamification Services VueJS Frontend for admin dashboards and public applications. Infrastructure management, monitoring and automation.

Responsible for proposing and carrying out several extensive upgrades to development processes and infrastructure management, including containerization and automation.

2016 - 2018 **RESEARCHER / SOFTWARE DEVELOPER**

CiTIUS, University of Santiago de Compostela Full stack development with a strong focus on Android. Research in medication adherence and mHealth.

Main project: Calendula (citius.usc.es/calendula). Medication self-management Android app.

06/2015 - 09/2015 **PROGRAMMER**

Everis Spain Internship as a software developer. Mainly Java web development (Spring), with some Android development as well.

2015-2017 **ANDROID ROM DEVELOPER**

Personal project Development of CyanogenMOD/LineageOS ROMs for Android devices.

Maintenance and building of Android ROMs, including system internals, kernels and applications.

Usage of several source languages and with extensive usage of version control and code review systems.

+ EDUCATION

2017- 2019 **MASTERS DEGREE IN ARTIFICIAL INTELLIGENCE RESEARCH**

AEPIA/UIMP Education in machine learning, artificial intelligence, statistics and data analysis, and introduction to scientific research.

Degree imparted by the Spanish Association for Artificial Intelligence (AEPIA) and managed by the Menéndez Pelayo International University (UIMP).

2012 - 2016 **DEGREE IN COMPUTER SCIENCE**

University of Santiago de Compostela Advanced education related to computer science, including but not limited to: software programming and design, systems engineering and systems administration.

End of Degree Project defense on September 2016, with title "Java Implementation of QRS clustering algorithm". Adaptation of an existing signal processing algorithm for its deployment on Android devices.

+ COURSES

2017 FUNCTIONAL PROGRAMMING IN SCALA

EPFL (Coursera) Course imparted by prof. Martin Odersky, designer of Scala, that serves as both a hands-on introduction to the Scala language and some higher-level functional programming concepts.

Duration: approx. 40 hours, completed in June 2017.

2017 MACHINE LEARNING COURSE

Stanford University (Coursera) Machine Learning course imparted by prof. Andrew Ng of Stanford University on Coursera.

Both theoretical and practical assignments on neural networks, SVMs and other fundamental Machine Learning algorithms and related skills.

Duration: approx. 55 hours, completed in April 2017.

+ LANGUAGES

Mother tongue **Spanish, Galician**

Foreign languages **English**, C2 level by Cambridge University

+ IT SKILLS

Source languages **TypeScript, Kotlin, Python, Shell**, Scala, Javascript, Java

Tools and frameworks **Vuejs, NuxtJS**, Gradle, Android SDK, Luigi

DevOps **Docker, Git, Ansible, Gitlab CI**, Kubernetes, Icinga

General skills **Requirement analysis, software design, systems administration**

+ OTHER SKILLS AND HOBBIES

HTML+SCSS.

Linux systems administration.

LaTeX, Rmarkdown.

Basic skills in image editing, both bitmap (GIMP) and vector (InkScape).

Home automation via Home Assistant / NodeRED / Zigbee.