

Ángel Piñeiro Souto

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SUMMARY

I'm a Software Engineer with a strong focus on mobile development. I began my journey more than 10 years ago by contributing to e-health projects within the research domain, primarily focusing on Android and web development. Over the years, I have worked in a wide range of projects that demanded a deep understanding in both frontend and backend development, and I often found myself bridging the gap in between. I would define myself as a versatile developer, with knowledge and skills that allow me to adapt to a wide range of scenarios. I also like design and am a firm supporter of free software.

EXPERIENCIA

Freelance Software Engineer

Bertamiráns - Ames, 2021 - Present

Software Engineer, Imagames Gamification Services S.L

O Milladoiro - Ames, 2018 - 2021

Full stack developer, designing and developing gamification based solutions for the Imagames Matrix platform.

Responsibilities:

- Front-end development with **VueJS**.
- **Android** mobile apps development.
- Implementation of new Matrix components (db, services, analytics).
- Application of machine learning strategies.

Experience:

- JS, VueJS, Android, Java, Scala, Kotlin, REST, Tensorflow, BigQuery

Software Engineer, Singular Centre for Research in Intelligent Technologies of the University of Santiago de Compostela (CITIUS)

Santiago de Compostela, 2011 - 2018

Full stack developer, working in research projects and collaborating with companies for the development of solutions in the field of e-health.

Responsibilities:

- Building systems for the acquisition, processing, and visualization of physiological signals and parameters (ECG, SAO2).
- Design and implementation of web tools for real-time visualization of physiological signals.
- Development, publication, and maintenance of Android apps.
- Collaboration in the design and execution of clinical trials to validate our solutions with real patients.
- Supervising final degree projects of students in the Computer Science Degree at USC.

Relevant projects:

- **Servando Platform**: An open architecture for the comprehensive follow-up of patients at home. ([Github](#))
- **MBeat Home Edition**: Collaboration with [Imaxdi Real Innovation](#) to develop a telemonitoring system for chronic patients with cardiovascular pathologies, with real-time

ECG visualization.

- **Calendula**: An Android assistant for personal medication management. ([Github](#) | [Google Play](#))
- **Calendula SERGAS**: Version of Calendula integrated with the Galician Health Service, available to the entire Galician population. ([Web](#) | [Google Play](#))

Experience:

- Javascript, Websockets, REST, CSS, Android, Java, REST, SOAP, Python, FHIR, OpenID, Interoperabilidade

IT Assistant, University of Santiago de Compostela

Santiago de Compostela —2010 - 2011

Scholarship to collaborate with the staff of the computer classrooms at the USC Engineering School.

Responsibilities:

- Software and hardware installation and maintenance.
- Assist users of the computer classrooms.

Freelance web developer

Galicia — 2006, 2011

Development of different websites under the direction of the design company [cenlitrosmetrocajado](#).

Experience:

- HTML, Javascript, PHP, MySQL

EDUCATION

Master degree in Information Technologies — 2011, 2013

University of Santiago de Compostela

Awards

- Best academic record of the IV promotion awarded by the USC Engineering School.
- Best final project in Computer Science awarded by the USC Engineering School.
- Best open source project awarded by the “Consortium for the development of University Management applications (CIXUG)”, IX edition. ([News](#))

Degree in Computer Science — 2006, 2011

University of Santiago de Compostela

Awards

- Best final project in Computer Science awarded by the company [Coremain](#).
- Best final project in Computer Science awarded by the USC Engineering School.

OTHER COURSES

Statistical methods course oriented to the study of parametric and non-parametric methods

CITIUS, University de Santiago de Compostela

OTHER INFORMATION

Intellectual property registrations

- Servando View: Interfaz web para la visualización y gestión del seguimiento domiciliario de pacientes - P. Félix, T. Teijeiro, J.A. Piñeiro
 - Owner: USC | Exploitation: IMAXDI Real Innovation
- Servando SaO2: System for the detection of ischemia episodes in oxygen saturation signals - J. Presedo, P. Félix, S. Barro, T. Teijeiro, J.A. Piñeiro.
 - Owner: USC | Exploitation: IMAXDI Real Innovation

LANGUAGES

- Galician Advanced
- Spanish Advanced
- English Comprehension: Advanced | Expression: Intermediate