Francisco Javier Bolívar Lupiáñez

M.Sc. in Computer Science

Education

2016–2018 **M.Sc. in Computer Science**, *Universidad de Granada*, Granada, *9.364*
Best academic results award.

2012–2016 **B.Sc. in Computer Science**, *Universidad de Granada*, Granada, *8.378*
Special mention in Software Engineering. I was graded with honours in 9 courses, including the End-of-Degree Project.

Experience

2021– **Technical Lead**, *nazaríes intelligenia*, Granada
I combine my role as a developer in more complex projects with a managerial role. I'm currently working on a Ruby on Rails open-source platform for citizen participation implemented by many public organizations. I'm also the main responsible for the Software Department in the IoT platform, so I manage a small team and I take care of every solution we develop is taking us in the right direction.

2017-2021 **Software Engineer**, *nazaríes intelligenia*, Granada
Starting as a junior, after a successful stage during my internship, I developed myself until being considered a senior and one of the key pieces in the team. I have been a developer on several projects with both national and international clients. Although the main project I've been working on is an IoT platform with a tech stack based on Ruby on Rails, I've also been working on other projects with Ruby on Rails and other diverse technologies: such as a desktop application with C++ to control UAVs, a pure back-end project with Spring, various hybrid mobile applications using Ionic, a customized e-commerce platform with PHP or an important telemedicine platform with PHP too.

2017 **Internship Student**, *nazaríes intelligenia*, Granada
Internship corresponding to the M.Sc. in Computer Science I studied. I started learning and working with Ruby on Rails.

2016-2017 **Scholarship Assistant**, *Department of Lenguajes y Sistemas Informáticos*, Granada
Working on an investigation project for studying and developing algorithms to view and document wood sculptures, and in the Atalaya3D project, processing 3D models to be uploaded to the web.

Languages

Spanish   Native proficiency

English   Professional working proficiency   *B1 English Certificate. University of Cambridge*

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Awards

2022 Professional Scrum Master™ I (PSM I) - scrum.org

2018 Best academic results award - University of Granada - M.Sc. Computer Science

Knowledge

Back-end web development Ruby on Rails, PHP, MySQL, PostgreSQL

Front-end web development JavaScript, Angular, Ionic

Computer Graphics Blender, VTK, ITK, OpenCV

Artificial intelligence Neural Networks, Evolutionary Algorithms

Others Docker, Git, Scrum, UML, Photoshop, LaTeX

Publications

Papers

Francisco Javier Bolívar and Francisco Javier Melero. 3DCurator: A 3D Viewer for CTs of Polychromed Wood Sculptures. In Alejandro Garcia-Alonso and Belen Masia, editors, *Spanish Computer Graphics Conference (CEIG)*. The Eurographics Association, 2016.

Francisco Javier Bolívar and Francisco Javier Melero. 3DCurator: una herramienta para la inspección de esculturas a través de tomografía computacional. In *Revista PH91*. Instituto Andaluz del Patrimonio Histórico, 2017.

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