



André Borges, Software Engineer

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Profile

My passion for technology started when I was a kid. I have always been fascinated by it and how systems work. I am a software engineer who likes to create new projects and an enthusiast of new technologies. However, I have an entrepreneurial vein, and I am also motivated by product success and business growth, not technology for technology's sake. As a person, I am dedicated, ambitious, and always interested to learn new stuff.

Experience

Software Developer – Comfone

October 2020 – Ongoing

- Worked with team and PMs on the whole software development life cycle of 6 products, of which 3 are of my ownership. These products have a big impact on the IPX and Hubbing fields of the Roaming industry and are used by a combination of 500+ networks worldwide to support their global services
- Worked as full stack on a wide range of projects, from microservices with REST APIs and different requirements, to data-intensive forecast service that had to deal with 300GB+ of data every hour
- Maintenance of an internal legacy system for the company to manage everything roaming related and its operations
- Took leadership on the migration of the whole company source code from SVN to Git
- Used Java, Spring, C#, .NET, React, TypeScript, Docker, Docker Swarm, Oracle DB, PL/SQL, MongoDB

Software Engineer - Mebra S.A. – Part-time

November 2019 – October 2020

- Developed an e-commerce platform with dashboards, for the company to create a digital transformation and serve 3000+ clients and transition a 10M+€/year wholesale business online
- Worked with the tech lead to coordinate the remodeling and standardization of SAP's warehouse structure
- Used PHP, Silverstripe CMS, React, JavaScript, HTML/CSS, and MySQL

Software Engineer - Primavera BSS

October 2019 - June 2020

- Took part in the R&D team, where I developed my master's dissertation
- Worked closely with the CTO to apply all the knowledge and best practices to the company's microservices. Leading to an improved and more efficient architecture in the most used Portuguese ERP
- Researched, designed, prototyped, and helped to implement microservices' documentation with the OpenAPI specification, gRPC, Docker, Kubernetes, deployment pipelines, CQRS and mediator pattern in some services, external configurations, event buses, and webhooks in the company's architecture, which serves a universe of 30k+ clients and process over 100M€/year in billing
- Used the Microsoft Stack (C#, .NET Core, ASP.NET Core, Azure, Table Storage, and Angular)

Mobile Developer – IoTech – Part-time

February - September 2019

- Developed a mobile application and backend REST API to manage events and attendances
- Used beacon triangulation and QRcodes to define an event's area. Adopted by 2 major universities
- Used Ionic, Angular, and TypeScript for the mobile application. Node.js and MongoDB for the backend

Software Engineer Intern - Primavera BSS

July-September 2018

- Took part in the cloud management team and developed a pipeline tool to automate the update processes of a CRM software that used an old ticket system for the matter
- Made the process up to 90% faster because it was a manual and repetitive task
- Used the Microsoft Stack (C#, .NET Core, ASP.NET Core, Entity Framework, xUnit, Azure, Table Storage)

Diverse Summer jobs

Summer 2012 – 2017

Technical Skills

I am proficient with: Java, Spring, C#, ASP.NET Core, React, HTML, CSS, JavaScript, TypeScript, Node.js, Ionic, Angular, PHP, SQL and NoSQL databases, Designing, building, and documenting RESTful APIs and microservices' architectures, git, UML, Docker, Kubernetes, CI/CD, Microsoft Azure, BPMN, Unit Testing, Agile (Scrum)

Education and Languages

Master's in Engineering and Management of Information Systems: University of Minho (2015-2020) – Score: 16/20

Master's in Management of Information Systems: Wroclaw University of Economics and Business (Erasmus semester 2018-2019) – Score: 5/5

Student: IoAcademy (2018-2020. Non-profit organization that gives IT training in exchange for working)

Languages: Portuguese (Native), English (C1), French (B1), Spanish (A2)

Achievements

Canoeing Champion 2012 – 2019

- Champion and Vice-Champion 5 years in a row at the Portuguese National Canoeing Championship
- Vice-Champion 2 years in a row at the Portuguese University Canoeing Championship

Winner of the 1st edition of the IoAcademy Challenge 2018

- Competition organized by IOTech in partnership with University of Minho. Won the award by creating a modular and customizable e-commerce platform

Winner of the Primavera Young Talent Award 2018

- This award was won with the Monitoring Life project (see below)
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Projects

Monitoring Life 2018

- Worked with a team of 6 to create a gadget and service to reduce the impact of falls and abnormal changes in vital parameters, ensuring their detection promptly and its rapid referral and treatment
- The process was designed using BPMN. Used an Arduino to detect falls and measure the heart rate to identify anomalies. When an emergency was triggered, and if it was not canceled, it automatically called the person responsible, or the emergency services, and identified the victim's location and cause

Event Management for Smart Cities 2017

- Led a group of 5 developers in a project to create a platform to manage events and their infrastructures in smart cities. It was created using Java with OOP and JAX-RS for the REST API, HTML/CSS, and JavaScript
- By automatically managing the city's infrastructures, services, and available resources, it reduced the time spent to organize an event by ~90%

Condominium Management 2016 - 2017

- Led a group of 4 developers in a project to create a desktop and web application for companies to manage condominiums and their services. It was created using Java and PHP with OOP, HTML/CSS, and JavaScript