Software Engineer

MemoriasIT

Based in Spain - Open for Remote
Male (he/his)

memoriasIT.github.io
Github - memoriasIT
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Projects

The following projects are a selection of my contributions to the Open Source movement. More projects can be located in my Github profile .

Bobi: a solution for small businesses during COVID   `Github`

Won 3rd place in a national IBM Developer Hackaton

- Implemented a multiplatform mobile app with Flutter.
- Applied cloud microservices such as Cloud Foundry or Mongo DB Atlas.
- Utilized IBM Watson Assistant to create an AI conversational agent.
- Cloud Functions were employed to connect the app to the backend.

Eventbook: event management platform   `Github`

Spring based event management platform with user and role management, technical support, statistics and more.

- Used Spring Boot with Apache Derby to create a stand-alone application.
- Applied MVC patterns such as DAO, DTO and Service.
- Followed agile methodologies to work in teams.
- Used Selenium and JUnit to produce automated tests.
- Utilized AJAX to create real-time messaging between users.
- Designed CRUD for entities and managed the DB.

Aprende Ayudando: e-learning platform for charities   `Github`

Django e-learning platform created for the university of - to collaborate with NGOs.

- Negotiated with the client in order to produce a software requirements document.
- Produced the document in LaTeX and modelled the system in UML.
- Generated use cases accordingly and orchestrated with the team.
- Configured automatic deployment to the cloud with Heroku.
- Created CRUDs for several entities, managing permissions.
- Integrated a calendar to the Django administration panel for allowing an easy and role restricted CRUD of events.

Languages

- **Spanish**- Native Proficiency
- **English**- C1
- **French**- B2
- **Chinese**- Basic

Education

Software Engineering: Universidad de -, España
2017 - December 2021 (Expected)

Software Engineering: Université de -, Quebec, Canada
January 2022 - June 2022 (Erasmus Planned)

Skills

Java

- OO design and programming skills with experience in testing and debugging with JUnit.
- Web development with Spring.

C/C++ and low level

- Used C/C++ for embedded applications.
- Knowledge of RISC (MIPS and ARM) and CISC (x86) assembly.
- Basic knowledge of Ghidra and x86 debugger.
- Interest in electronics. Hobbyist hacker.

Web

- Proficient in JS, SCSS and HTML to build static websites.
- Used multiple static site generators like Hugo or Jekyll.
- Experience of NodeJS standard library and several npm libraries.
- Used popular frameworks like Django, Electron, React and Angular.

Software Engineering

- UML with MagicDraw, USE, IFML.
- Agile methodologies and great team skills.

Databases

- Experience in both SQL and No-SQL databases.
- MySQL (and derivatives), Microsoft SQL Server
- Firebase, MongoDB

Miscellanea

- Docker, VMWare and VirtualBox
- Linux / UNIX environment (.dotfiles and .dotfiles-kali)