

SANTIAGO MOLINER PREJANO

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I'm a Software engineer looking to grow in my professional career and put my abilities to the test.

Professional Experience

Discoverfy

Barcelona, Spain

Nov 2021 – Mar 2022

Fullstack data developer

Achievements/Tasks:

- Integration of a module that improves eCommerce customer journey, boost sales and gather product and customer data in real time.
- Developed a machine learning algorithm in python inside the AWS Lambda functions for improved product recommendation.
- Gathered information through a database and developed queries for analytics and checking KPIs performance.
- Developed and deployed the Dsicoverfy API using JavaScript, React and Nodejs.

Fortra

Barcelona, Spain

Mar 2022 – Present

Software Engineer

Achievements/Tasks:

- Developed and maintained a penetration testing tool written mainly in C++.
- Helped in the creation of Python exploits to target a multitude of different vulnerabilities.
- Maintained and developed the Python open source library Impacket, reviewing and merging pull requests.
- Added support for remote SQL database connection for the pentesting tool.
- Created support for UNICODE characters inside the application that helped boost sales worldwide.
- Developed support for SOCKS5 proxy to launch different exploits in pivoting scenarios.
- Created multiple UI components with the MFC framework.
- Participated in scrum meetings and used organization software like Jira and Teams.

Education

UPC CITM

Barcelona, Spain

2019 - 2022

Bachelor's degree in video game development

- **Specializations:** Advanced graphics programming, AR/VR, Networking programming.

Technical Skills

Languages:

C++, C, Python, Javascript, Java, Dart, SQL, PHP, Rust

Technologies:

Linux, Git, SVN, React.js, MySQL, Tensorflow, AWS, Docker

Project Highlights

Procedural terrain generator (TFG): Procedural terrain generator using Perlin noise algorithm variations. (C++)

Impacket GUI: Creation of a GUI for the library Impacket that helps with the penetration testing process. (C++)

Soft Skills and Interests

Languages:

Spanish, English, Catalan, Japanese

Interests:

Machine Learning, AI, AR/VR, Blockchain, Open source projects, Fitness