

# Armand Molina Trabal

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## EDUCATION

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**Pompeu Fabra University, TecnoCampus**  
*University Degree in Computer Engineering and Information Systems*

Mataró, Barcelona  
Sept. 2020 – Jun 2024

## EXPERIENCE

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### Attendi Rent (Start-up)

April 2024 – Present

*Co-Funder & CTO*

*Barcelona, Spain*

- Developed a P2P mobile application rental marketplace available on AppStore and PlayStore in Spain.
- Designed and developed the MVP from scratch using Java Spring Framework for backend and React Native for frontend.
- Deployed application on AWS EC2, integrating AWS services like RDS for MySQL and S3 for storage.
- Implemented Spring Security for user authentication and authorization, using JWT for session management and OAuth 2.0 for third-party login integration.

### Al Kamel Systems S.L.

Nov 2023 – Apr 2024

*Software Engineer Intern*

*La Garriga, Barcelona*

- Designed and produced a graphic launcher client using C++ and the Qt framework.
- Created scripts for motorsport competition graphics using vizScript and Python.
- Implemented external APIs for data integration.
- Managed high-level responsibilities with software broadcasted for major events like Formula E and WEC, with millions of live spectators.

### HtopGroup

Jul 2023 – Sept 2023

*Software Engineer Intern*

*Palafolls, Barcelona*

- Applied quality analysis, validation, and data verification techniques using SQL Server and Power BI.
- Designed and developed data models and dashboards for executives using Agile methodologies.

## PROJECTS

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### Interoperability Prototype

Nov. 2023 – June 2024

*Graduate Thesis Project*

*Barcelona, Spain*

- Developed a prototype for interoperability between healthcare information systems for transferring patient allergy data.
- Led project management, software design, and infrastructure setup.

### Apollofy

Sept. 2022 – July 2023

*Backend project, application based on Spotify*

*Barcelona, Spain*

- Designed and developed a backend application based on Spotify using layered, hexagonal, and microservices architecture.
- Implemented TDD development, Spring Security, OAuth2, and JWT.

## SKILLS & INTERESTS

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**Skills:** Java, Spring Framework, Spring Security, SQL, C++, React Native, Python

**Languages:** English, Spanish, Catalan

**Interests:** Water Sports, Traveling, Technology, FC Barcelona