Kevin Romero Peces-Barba

Software Engineer

kevinrpb.me   *kevinrpb*   @ *kevin@kevinrpb.me*

Services	Java Kotlin NodeJS AWS REST RPC CI/CD
Web	HTML/CSS/JS TypeScript React NextJS jQuery Spring JSP
Apple	Xcode Swift SwiftUI Combine AppKit XCTest Fastlane
ML	Python Tensorflow/Keras Airflow NLTK R
Other	SOLID Git Flow Shell Scripting ReactiveX MVVM MVC p5.js Godot
Skills	UI & UX Data Structures Algorithms Software Architecture Statistical Analysis Agile (Kanban/Scrum) Leadership Teamwork Quick Learner
Languages	Spanish (Native) English (Professional Proficiency)

💼 Work Experience

Software Developer Engineer II

October 2022 – Present   Amazon Services Spain

Work developing services and features for both external and interal customers. This includes:

— Delivering features and widgets displayed on the product page on Amazon using modern technologies based on TypeScript, as well as mature ones like JSP.

— Implementing backend services supporting those features, using both in-house solutions and based on AWS services.

— Implementing metrics and monitoring stacks for feature validation and operational resiliency.

Solutions Architect

August 2021 – August 2022   AXA Madrid International Hub

Worked in the regional Technology Office providing both technological and strategical support to insurance companies located in emerging markets (Americas, Africa, Asia). This included:

— Helping design the technical aspects of key technological and transformation projects.

— Assisting on the development of the companies' IT maturity.

— Providing support on the management of the companies' infrastructure and technical debt.

Research Assistant

November 2020 – October 2022   University Carlos III of Madrid

Collaborated with the University's Applied Artificial Intelligence Group (GIAA) and a telecommunications provider. My work consisted in:

— Conducting research on the applications of machine learning for the analysis and usage of the company's data.

— Providing counsel and advice to undegraduate students working on their B.S. theses.

Computer Technical Specialist

December 2019 - July 2020   University Carlos III of Madrid

Collaborated with the University's GIAA and a telecommunications provider to complete my B.S. thesis project. My work comprised:

— Analyzing mobile traffic data patterns.

— Developing a visualization web application to aide management on taking decisions.

— Conducting research on mobile traffic analysis and forecasting using machine learning models.

iOS Developer Intern

May 2019 - Aug 2019   Babel S.I.

Contributed in the development of mobile applications for clients. These projects were iOS apps based on Swift. This included:

— Designing the architectural structure of the app, following modern patterns (MVVM, Clean).

— Implementing user interfaces and business logic, as well as the interaction between both, following reactive programming techniques (RxSwift).

Computer Technical Specialist

Jun 2017 - Sep 2017   University Carlos III of Madrid

Worked on creating a Web Application with the purpose of business management. The project involved:

— Setting up a web server based on NodeJS and using modern frameworks such as ExpressJS.

— Managing the environment to work with a MongoDB database.

— Developing a modern, responsive website to act as the frontend to the app, taking advantage of frameworks like jQuery and MaterializeCSS.

Multimedia Intern

Sep 2016 - Jun 2017   University Carlos III of Madrid

Provided technical support in the multimedia rooms of the University for events and classes. This covered:
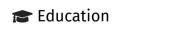
— Setting up and controlling multimedia equipment such as cameras, microphones, and mix tables.

— Recording and editing multimedia material to create web-ready video content.

Helpdesk Intern

Jan 2016 - Sep 2016   University Carlos III of Madrid

Provided technical support to professors and staff in the university. This included:

— Setting up software requirements for new computers and other devices such as printers or scanners.

— Repairing and replacing faulty components in computers.

— Troubleshooting software problems with operative systems and applications such as office suites, browsers, and email clients.

🎓 Education

M.S. in Computer Science & Technology

2020 - 2022   University Carlos III of Madrid

B.S. in Computer Science & Engineering

2014 - 2020   University Carlos III of Madrid

B.S. in Business Administration

2014 - 2020   University Carlos III of Madrid
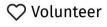
🪧 Abroad

B.S. in Computer Science & Engineering

2017 - 2018   University of California Santa Cruz

B.S. in Business Administration

2018 - 2019   George Mason University

♡ Volunteer

Imagineware

2014 - 2021   imagineware.org

Long time member in the student technology-focused club 'Imagineware'. As part of this club, I have:

— Organized and took part in different hackathons.

— Organized several events with the purpose of bringing people and technology together. The main event we have organized is the Hour Of Code (hourofcode.com), a world-wide coordinated event. During this event, which we have hosted in Universidad Carlos III for several years, we invite students from high schools and prepare a series of tech-related activities for them to enjoy.

— Organized different workshops and courses aimed at teaching office suites (such as MS Office), version control (git), and other development tools and languages. These were focused in the university and given to students of different majors.