# David Alejandro Cuahonte Cuevas

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## EDUCATION

**ALGOSUP International Software Development School**                    **Vierzon, France**
*Advanced Degree in Software Project Management for IoT Systems*          *September 2021 - June 2025*
- **Relevant Courses:** Software Development (Frontend, Backend, Security), Software Architecture, Agile Project Management, Software Testing & Deployment, Data Analysis & Requirements Gathering.

## WORK EXPERIENCE

**Padoa**                                                              **Paris, France**

*Full-Stack Developer Intern*                                          *August 2023 - September 2023*
- Implemented frontend features in Angular as part of an internal application, integrating 3+ new views and enhancing 10+ reusable components, which improved UI consistency and reduced code duplication by 10%.
- Partnered with a mentor through structured task planning, delivering 3 project milestones on time and contributing production-ready code integrated into the release cycle.
- Developed a new interface for incident reporting used by 100+ internal users, enabling faster data entry and integration into daily operational workflows.
- Adapted to a 50 thousand lines codebase and contributed independently to bi-weekly sprint goals, aligning with team architecture and coding conventions from week one.
- Participated in 20+ technical meetings, improving code maintainability by applying insights into sprint planning, component reusability, and team workflows.
- Refactored and generalized 2 key components, reducing future dev time and reinforcing SOLID principles and scalable design practices.

## PROJECT EXPERIENCE

**Inclusive Trip Planner**                                             **Vierzon, France**

*Full-Stack Developer*                                                 *September 2024 - June 2025*
- Built a native Android app with Kotlin and Jetpack Compose, enabling accessible trip planning. Collected feedback from 10+ test users and facilitated submission of 30+ accessibility-focused reviews.
- Engineered a Spring Boot backend with JWT/Firebase login and ∼300ms response times, ensuring secure access to trip data and meeting real-time usability expectations.
- Delivered full Retrofit integration and authored 60+ pages of technical docs, reducing onboarding time and supporting future feature expansion.

**WEB FPGA: Interactive Simulator**                                    **Vierzon, France**

*Full-Stack Developer*                                                 *February 2025 - April 2025*
- Designed and deployed a simulator using Flask, React, and D3.js to visualize signal flow across 10+ FPGA module types, improving clarity in circuit debugging and analysis.
- Parsed 500+ lines of Verilog and SDF files into structured JSON and built a real time Vite-based frontend, streamlining testing workflows and improving learning outcomes.

## SKILLS

**Programming Languages:** Java, Kotlin, JavaScript, TypeScript, Python, Verilog, C.
**Frameworks:** Jetpack Compose, Flutter, Angular, React, Spring, Hibernate, Flask.
**Technologies:**  Git, GitHub Actions, Docker, Kubernetes, Google Cloud, Firebase, Retrofit, Vite, D3.js.
**Databases:** PostgreSQL, MySQL, SQL Server.
**Languages:** Spanish (Native), English (Advanced), French (Advanced), Italian (Advanced), German (Basic).