

MARVIN ADORIAN ZANCHI SANTOS

Dublin, Ireland | EU Citizen | mazds.dev@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

PERSONAL PROFILE

Recent BSc (Hons) Software Development graduate from South East Technological University, Carlow, with project-based experience in web and mobile applications, REST API integration, databases, troubleshooting, and structured problem solving. Previous customer-facing experience with strong communication, organisation, and attention to detail. Interested in SaaS product support, technical operations, integrations, and technology roles where I can help users, work with technical teams, and continue growing toward software development.

TECHNICAL SKILLS

Languages:	Java, Kotlin, Python, JavaScript, PHP, Go, HTML5, CSS3
Mobile Development:	Android SDK, Jetpack Compose, MVVM, Clean Architecture, Room DB
APIs & Integration:	REST APIs, OAuth 2.0, JSON, Strava API, Stripe API
Database:	MySQL, Room DB, basic relational database design
Tools & DevOps:	Git, GitHub, Android Studio, Postman, Firebase, Docker
Familiar Concepts:	OOP, Clean Architecture, Design Patterns, Agile/Scrum, Concurrency

EDUCATION

BSc (Hons) in Software Development, QQI Level 8 **2022 - 2026**
South East Technological University, Carlow

- **Key Modules:** Programming, Data Science & Machine Learning, Software Engineering, Data Structures & Algorithms, Agile Software Verification & Development, Secure Application Development.

Certificate in Software Development, QQI Level 5 **2021 - 2022**
Portlaoise Institute (LOETB), Portlaoise

- Distinction | Student of the Year Award

PROJECTS

Smart Marathon Running (Final-year Project) | Android | [\[GitHub\]](#) **2025 - 2026**

- **Awarded the Netwatch Prize for Best Software Development Project (2026)**
- Architected the app using Clean Architecture (Data / Domain / Presentation layers) with the Repository pattern, Use Cases, ViewModels, ensuring full separation of concerns.
- Implemented Strava OAuth 2.0 authentication with an automated access-token refresh cycle to eliminate repeated user re-authentication.
- Built an activity synchronization engine with date-range filtering scoped to training plans, preventing performance bottlenecks for users with extensive history.
- Applied the Riegel mathematical formula to generate personalised target paces, powering dynamic performance feedback features.

- Developed an 18-week training calendar, gap detection alerts and per-kilometre splits analysis via Strava's API; successfully managed beta testing deployment with real user data.

Barbershop System & Cloud Migration | PHP, MySQL, AWS, Docker | [\[GitHub\]](#)

2025 - 2026

- Developed a full-stack online booking platform with relational database-driven appointment scheduling and secure Stripe payment integration.
- Containerized the entire application and database using Docker, ensuring environment consistency and smooth local-to-cloud deployment.
- Planned and implemented a cloud migration from a shared hosting environment (Plesk) to AWS, using cloud infrastructure to improve deployment portability and scalability.

WORK EXPERIENCE

E-commerce Grocery Shop Founder & Operator | Goods of Brazil, Dublin

2020 - 2021

- Developed and managed an end-to-end e-commerce platform, overseeing web hosting, payment gateway integration, and system administration.
- Controlled inventory management, strategic pricing models, customer communications, and data analytics to optimize business operations.
- Gained hands-on experience maintaining a commercial digital storefront and managing the technical side of the online business.

Guest & Student Accommodation Manager | Marvellous Services, Dublin

2015 - 2021

- Managed operations, including bookings, financial pricing structures, corporate communications, and occupancy rate optimization.
- Delivered high-quality customer support, efficiently resolving complex tenant issues and operational bottlenecks.
- Cultivated strong cross-functional communication, organizational leadership, and proactive problem-solving skills in a fast-paced environment.

ADDITIONAL TRAINING

Salesforce: Completed practical Trailhead fundamentals: Flow Builder, Apex basics, Lightning Web Components, data management, reports and dashboards, and development tools.

ADDITIONAL INFORMATION

Languages: Fluent English, Native Portuguese
Driving Licence: Full Irish
Interests: Marathon running, hiking, travel, and exploring new cultures
References: Available upon request