

Wesley Michael De Souza.

"For more than nine years, I have been dedicated to building sophisticated web and hybrid applications. My passion is turning complex business logic into high-performance, scalable architectures – proven in mission-critical systems for Swiss federal offices and military logistics centres."



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01 • EXPERIENCE

Professional Practice & Major Projects.

01/2026 – 07/2026

Zurich
OrangeBusines Zürich
Fixed-term contract

Full Stack Developer / Frontend Architect

FOITT / FEDRO – Swiss Federal Roads Office

- **FEDRO – Vehicle Import Platform:** Development of a digital business application at the Swiss Federal Roads Office (FEDRO/ASTRA) for vehicle imports, import declarations and type-approval processes, focusing on eCoC/EUCARIS integration, vehicle data processing and registration logic.

Angular .NET NX Monorepo Azure DevOps

2022 – 2025

Zurich
PTA GmbH
Fixed-term contract

Senior Angular Developer / Frontend Architect

FOITT / FSO – Swiss Federal Statistical Office

- **Frontend Lead & GUI Architect:** Architectural governance and core development of the CRM system for the FSO social assistance statistics, including technical leadership of cross-functional development teams in a highly scalable NX monorepo.
- **Frontend Lead Statistics Tool:** Design and implementation of the central tool for capturing business-critical metadata for the FSO.

Angular NestJS TypeORM NX Monorepo Docker

2021 – present

Zurich
Freelancing

Freelance Fullstack Developer

Key clients: LBA & armasuisse (Swiss Armed Forces)

End-to-end ownership of dedicated web & IoT solutions (single-developer projects) – from requirements analysis, concept and architecture through development to hosting and operations:

- **LBA – Equipment Marketplace (2026):** Concept and agile development of a sharing platform for cross-site reuse of unused equipment (> CHF 5,000), including automated SAP asset transfers. Cuts processes from years to a few days; projected savings approx. CHF 1.5 million.
- **LBA – Elo-Infra (2026):** Complete digitalisation of analogue army forms, including a collaborative real-time authoring engine.
- **armasuisse – Shootnumber Report (2025):** Widely used system for fast capture and secure evaluation of shooting results, including a comprehensive admin interface.

- **LBA / VTG – IoT Information Board:** Concept and full-stack implementation of a central dashboard showing operational real-time data on large displays in the logistics centre. Consolidated scattered data sources and gave teams instant orientation.
- **LBA – SAP Monitoring Tool:** Interactive dashboard for visualising and monitoring business-critical real-time SAP metrics.
- **LBA – Resource & Recruit Management:** Various tracking tools for uniforms/weapons and data-driven competence planners.
- **Enterprise SaaS Product:** Development of a modular, scalable ERP/CRM and point-of-sale (POS) ecosystem using Web Module Federation.

Angular NestJS Node.js TypeORM ElectronJS IoT (Raspberry Pi) Module Federation

2021 – 2022

Zurich
Synerma GmbH

Software Developer

Synerma GmbH

- **Ticketing Platforms:** Agile development of complex platforms in Scrum teams.

Angular Ruby on Rails

2019 – 2021

Zurich
OneByte AG

Software Developer

OneByte AG

- **Web Projects & In-house Products:** Co-development of activfitness.ch, a custom CMS and a BI tool based on microservices, plus web shop development for Deeceestyle.

Angular Node.js (SSR) PHP / WordPress React

2017 – 2019

Olten / Zurich
HotelPartner GmbH

Junior Software Developer

HotelPartner GmbH

- **Booking Systems & Data Mining:** Development of web-based booking applications and a specialised data-mining application for market analysis.

Angular PHP / Laravel MySQL Python Node.js

02 · TECH EXPERTISE

Technologies & Tools.

01 Frontend & Architecture

Angular (Expert) · Ionic · Electron · React · Module Federation · Native Federation

02 Backend & Data

Node.js · NestJS · TypeORM · C#/.NET · Java · Ruby on Rails · PHP · Python · PostgreSQL · MySQL

03 Architecture & Tools

NX Monorepos · Docker · Microservices · Server-Side Rendering (SSR)

04 DevOps & Cloud

Azure Cloud · GitHub Actions · Bitbucket · OpenShift · CI/CD Pipelines · Linux · Bash · PowerShell

Award-winning Solutions.

1ST PLACE · HACKATHON · 2026

FOITT (BIT) & Unemployment Insurance Office, Canton of Bern

"Most Useful Solution" with "Freddy's Companion": a digital companion for the Canton of Bern's unemployment insurance office that helps overcome language barriers.

3RD PLACE · PODIUM · 2024

PTA GmbH

Innovation Challenge: gamification concept for an effort-estimation tool.

1ST PLACE · WINNER · 2022

PTA GmbH

AI-powered extension of the in-house time-tracking system. A voice assistant automatically converts spoken input into structured time entries.

04 · EDUCATION

Education, Languages & Personal.

2026 – 2030

Bachelor of Science (B.Sc.), Business Artificial Intelligence

University of Applied Sciences Northwestern Switzerland FHNW, School of Business · In progress

2023

Advanced Federal Diploma in Business Informatics (Dipl. Wirtschaftsinformatiker HF)

IPSO Bildung AG, Zurich · Graduated 2023

2019

Federal VET Diploma in IT (Informatiker EFZ)

IBZ Schulen AG, Aarau · Systems Engineering (Graduated 2019)

LANGUAGES

German

Native / Fluent

Swiss German

Fluent

English

Good command (B2)

Portuguese

Basic knowledge (B1)

PERSONAL DETAILS

Nationality

Brazilian

Work permit

Switzerland (C permit)

Date of birth

30 May 1995