

# FERNANDO GONCALVES

Full Stack Software Engineer

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Zurich, Switzerland | Portuguese Citizen | Swiss Permit B



## EXPERIENCE

### Full Stack Software Engineer

#### Data Migration International

01/2025 - Present Kreuzlingen, Switzerland

Improved backend performance by optimizing SQL queries and reducing unnecessary database operations in Java/Spring Boot services, improving response times by 25%

Implemented Liquibase-based database migration workflows for Microsoft SQL Server across Azure Dev/Test/Production environments

Increased application reliability through unit and integration testing for critical backend services and REST APIs

Contributed to Angular frontend development and introduced Storybook component testing to improve UI consistency and development efficiency

Collaborated with cross-functional teams to translate business requirements into scalable technical solutions for enterprise data migration platforms

### Consultant & Developer

#### Data Migration International

12/2024 - 01/2025 Kreuzlingen, Switzerland

Strategic Transition: Swiftly transitioned from a consultant role to a 100% technical placement by demonstrating high-performance coding and complex system analysis skills

Adaptability: Mastered internal migration frameworks in record time, contributing to production-ready code within the first 3 weeks

### Full Stack Developer & Data Analyst

#### Freelancer

05/2024 - 12/2024 Zurich, Switzerland

Developed and deployed 3+ full-stack applications, including a CRM for Tattoo Studios and a Private Chef Portfolio, using React.js and Node.js, Typescript to automate client booking and workflow management

Engineered predictive models and data cleaning pipelines for niche markets, utilizing Python to transform raw historical data into actionable business insights

Delivered high-end websites for art galleries and private businesses in the Algarve, focusing on SEO optimization and responsive design to increase digital engagement

## EDUCATION

### BSc Computer Science

#### Universidade Aberta Lisboa

09/2023 - 06/2027 Lisbon (Remote)

Focusing on Data Structures, Algorithms, Software Architecture, and Discrete Mathematics.

## SUMMARY

Full Stack Software Engineer specialized in Java (Spring Boot), Angular, and enterprise data platforms. Experienced in backend optimization, database migrations, and scalable web applications within Swiss-based environments. Strong focus on clean architecture, testing, and performance improvement across cloud-hosted systems

## CERTIFICATIONS

### Full Stack Software Development (Level 5 Diploma)

#### Code Institute

Credit-rated by University of the West of Scotland. Intensive program focused on Full Stack technologies, including Python, JavaScript, and professional development methodologies.

## LANGUAGES

### English

Proficient.



### German

Advanced



### Portuguese

Native



### Spanish

Native



## SKILLS

### Programming Languages

Java, Python, TypeScript, JavaScript, SQL

### Backend & APIs

Spring Boot, Node.js, RESTfull APIs, Hibernate/JPA

### Frontend

Angular, React.js

### Machine Learning

Predictive Analytics, Data Cleaning, Pandas, PostgreSQL, Microsoft SQL Server, Liquibase

### Cloud & DevOps

Azure, Docker, Git, CI/CD Pipelines, Unit/Integration Testing



### Databases

PostgreSQL, SQL server, Liquibase

## DISTINCTIONS & AWARDS

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### 3rd Place Winner – Code Institute Hackathon

 08/2024 - Present  Dublin, Ireland

Themed around "Retro Games"; acted as lead Game Designer and Coder, recreating a classic Mario-style game and a memory game under tight deadlines.

### Merit Grade Portfolio Project: Full-Stack Toolkit (Django)

#### Code Institute

Developed a Portuguese Food Blog utilizing Django, PostgreSQL, and Cloudinary; received high praise for UI design and effective use of Agile methodologies via GitHub.

### Academic Merit Award

Recognized for outstanding performance and high-grade delivery in initial software engineering projects during career transition.

## SKILLS

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### Soft Skills

High-Pressure Decision Making  
Agile/Scrum  
Stakeholder Management  
Team Leadership, Accuracy  
Problem Solving, Teamwork  
Rapid Learning, Adaptability  
Mentorship, Peer Review

## FIND ME ONLINE

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 **GitHub**

<https://github.com/Goncalves95>

 **LinkedIn**

<https://www.linkedin.com/in/fernandojcgoncalves/>

 **Portfolio Website**

<https://iamfernando.vercel.app/>