



Alessandro Discalzi

Software Engineer

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PROFILE

Software Engineer with 5+ years of experience, based in Padua, Italy. I began my career in 2020 after a Bachelor's Degree in Computer Science at **UNIPD** (unipd.it), and hold a Master's Degree in ICT for Internet and Multimedia from the same university.

My focus is backend engineering: Java EE and Spring Boot microservices, Spring Batch ETL pipelines and Apache Camel integrations running against Oracle databases in a regulated financial environment. I also designed a scalable, cloud-agnostic architecture for IoT data analysis and machine learning, spanning AWS, Azure and Aruba Cloud.

I take services from design through testing and delivery within Agile teams, and work just as effectively on my own. I invest consistently in keeping my skill set current: most recently I specified, built and published **Ritmo** (apps.apple.com), an iOS and watchOS training-load and recovery app, to the App Store — delivered end-to-end through AI-assisted development.

EXPERIENCE

Software Engineer @ Deda (dedagroup.it) (formerly SCAI ITEC)

11/2024 — Present

Engineering, development and testing of Spring Batch ETL jobs in a financial context using Java EE, Apache Camel, Spring Batch, Oracle DB, OpenAPI, JBoss, Maven and Git.

Intern R&D Engineer @ 221e (221e.com)

03/2024 — 08/2024

Designed and implemented a scalable, cloud-agnostic architecture to manage and analyse data from IoT devices. Integrates with AWS, Microsoft Azure and Aruba Cloud, supporting both horizontal and vertical scaling.

Backend Developer @ SCAI ITEC (dedagroup.it)

11/2020 — 11/2022

- Java backend development of microservices on a proprietary framework using Java EE, Apache Camel, Spring Boot, Spring Batch, Oracle DB, OpenAPI, JBoss, Maven and Git.
- AWS training with the R&D group.

Intern Backend Developer @ SCAI ITEC (dedagroup.it)

06/2020 — 07/2020

Developed a proof of concept web app for creating advertising content using JHipster, Java EE and Angular.

Computer Technician

07/2017 — 08/2017

Maintenance and repair of computers, customer interaction and shop management.

EDUCATION

Master's Degree in ICT for Internet and Multimedia @ UNIPD (unipd.it)

09/2022 — 12/2024

Thesis: **Scalable Cloud-Agnostic Architecture for IoT Data Analysis and Machine Learning** (github.com/wuxyel123 → thesis PDF).

Degree certificate (bestr.it)

Bachelor's Degree in Computer Science @ UNIPD (unipd.it)

10/2017 — 09/2020

Thesis: **Advertising Management System — Creazione e gestione di contenuti pubblicitari** (github.com/wuxyel123/tesi-ams).

Degree certificate (bestr.it)

CERTIFICATIONS

AWS Partner: Accreditation (Technical)

Issued 04/2022 — No expiration date

Show credential (credly.com)

SKILLS

LANGUAGES & FORMATS

Java · Python · SQL · Bash · JSON · XML · YAML · Markdown · LaTeX · C++ · HTML · CSS · PHP

FRAMEWORKS & PLATFORMS

Spring Boot · Spring Batch · Java EE · Apache Camel · JBoss · OpenAPI · JHipster · JUnit · Oracle DB · PostgreSQL · Docker · AWS · Azure · Aruba Cloud · Flutter

DATA & MACHINE LEARNING

Machine learning · Neural networks · Data analysis · Jupyter

TOOLS & WAYS OF WORKING

Git · Maven · IntelliJ IDEA · Eclipse · VS Code · Postman · SonarQube · Jira · Confluence · Scrum · Agile · AI-assisted development · Claude Code · Linux / macOS / Windows

SOFT SKILLS

Adaptability · Organisation · Patience · Planning · Problem-solving · Self-learning · Teamwork · Time management · Trust

LANGUAGES

Italian — Native

English — B2 — Upper intermediate

French — A1 — Beginner

PROJECTS

Ritmo — iOS and watchOS training-load and recovery app, published on the App Store (apps.apple.com). Specified and delivered end-to-end through AI-assisted development.

All my projects are on github.com/wuxyel123 — full portfolio at www.alessandrodiscalzi.com