



Giacomo Ornati

Full Stack Engineer - Mechatronics engineer specializing in the development of digital products, with experience in backend, frontend, software architectures, automation, and industrial AI.

11/10/1995 Mondovì

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EXPERIENCE

Inventio.ai , Fossano — Full Stack Engineer

October 2021- May 2026

- Development of microservice-based applications (Docker) with Python and Node.js backends and integration of AI models.
- Frontend development with React and TypeScript, building reusable components and integrating REST APIs.
- Design and development of Azure cloud infrastructure for SaaS applications.
- Management of company DevOps processes: building, deploying, and releasing applications and internal libraries.

SAET, Costigliole Saluzzo — Software Engineer

January 2021 - October 2021

- C++ development of Linux applications for embedded devices.
- C firmware development for microcontrollers, BLE, and CAN/serial.

Bottero, Cuneo — Data & Machine Learning Engineer

October 2019 - December 2020

- Development of machine learning algorithms in Python.
- Machine data processing and analysis.
- Development of process control algorithms and their integration into production line automation.

March 2019 - October 2019

- Data-driven machine learning for predicting machine failures.

EDUCATION

Polytechnic University of Turin — Master's Degree in Mechatronic Engineering

September 2017 - October 2019

Grade: 110 out of 110 with honors

Tesi: A Machine Learning Technique for Predictive Maintenance and Quality in Cut Glass Machinery

Polytechnic University of Turin — Laurea in Ingegneria Aerospaziale

September 2014 - July 2017

Grade: 110 out of 110 with honors

PROGETTI

Politecnico di Torino — Diploma universitario in Alta Scuola Politecnica

Marzo 2018 - Ottobre 2019

Politecnico di Torino — Diploma universitario in Percorso Giovani Talenti

Settembre 2014 - Luglio 2017

TECHNICAL SKILLS

Backend Development

CI/CD & Devops

Microservices and Virtualization

Database Design

Cloud Infrastructure

Version Control and Releases

Azure Cloud Infrastructure

Computer Vision & Industrial AI

Machine Learning & Data Science

Linux OS Administration

Embedded & Edge Software Development

TECH & TOOLS

Python (Fastapi, Flask, PyTorch, NumPy, Pandas)

JS/TS (NODE.js, Express, React)

SQL (Postgres, MySQL)

C++ (Boost, Qt)

Docker

Microsoft Azure

Azure DevOps CI/CD

Git - Bash - Linux - VSCode

TRANSVERSAL SKILLS

Teamwork and Collaboration

Problem Solving and Decision Making

Project and Order Management

Technical Documentation

Adaptability and Quick Learning

Results-Oriented and Quality-Focused

LANGUAGES

ITALIAN: native speaker

ENGLISH: B2 (IELTS)