Giulio Indennitate

Full Stack Engineer

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SUMMARY

Full Stack Engineer with 6 years of experience designing, building and running web platforms end to end, currently leading development of Arpya's AI-powered compliance automation platform. Specialized in Python backends (Django, FastAPI) and React/TypeScript frontends, with hands-on ownership of cloud infrastructure, Kubernetes and CI/CD. A background in QA and test automation brings a strong focus on code quality and maintainability. Works autonomously, drives technical decisions and collaborates effectively in Agile teams.

SKILLS

Languages	Python, TypeScript, JavaScript, HTML & CSS
Backend	Django, Django REST Framework, Django Channels, FastAPI, Litestar, Celery, Node.js, NestJS
Frontend & mobile	React, React Native, Angular, Flutter
Cloud & DevOps	AWS, GCP, Azure, Scaleway, Docker, Kubernetes, Helm, Terraform, GitHub Actions, CI/CD
Data & messaging	PostgreSQL, Kafka, MQTT
Testing & tooling	TDD, Selenium, Git

EXPERIENCE

Full Stack Engineer — Mar 2026 – Present
Arpya

- **CTI Product:** Lead Backend Engineer on Arpya's Cyber Threat Intelligence product. I am improving the codebase to optimize it and align it with best practices and standards, while continuing to deliver new features. I also manage DevOps tasks such as CI/CD pipelines and infrastructure operations.
  Stack: Python, Django, Django REST Framework, Celery, Docker, AWS, GCP
- **Wiket:** Lead Full Stack Engineer on Wiket, Arpya's AI-powered compliance automation platform. I lead the product end to end: a FastAPI backend with Celery workers and real-time WebSocket notifications, a RAG pipeline that ingests compliance frameworks and evidence documents to support AI-assisted assessments, and a React + TypeScript frontend. I also own the infrastructure and delivery: Terraform-provisioned Scaleway environments, Kubernetes (Kapsule) deployments with Helm, and GitHub Actions CI/CD.
  Stack: Python, FastAPI, SQLAlchemy, Celery, PostgreSQL (pgvector), Redis, React, TypeScript, Docker, Kubernetes, Helm, Terraform, Scaleway, GitHub Actions

Full Stack Engineer — Apr 2023 – Mar 2026
Orbyta Tech

- **P3P/Prisma:** Backend and frontend development of a complex Structural Health Monitoring system for viaducts and bridges, where I was also Lead Backend Engineer. A cloud + edge computing platform made of several units: a custom Python package that performs all the required calculations; a Django backend (Django REST Framework, Django Channels, Celery) that exposes the REST APIs and websockets and receives Kafka/MQTT messages from the edge app; an Angular app that consumes the APIs and presents user-friendly results; and a near-bridge on-premise Django app that runs the calculations with the custom package and sends Kafka messages to the backend.
  Stack: Python, Django, Django REST Framework, Celery, Angular, Docker, Azure

- **Orbyta Booking:** Backend development of the app Orbyta's employees use to book a workplace in the company's offices.
  Stack: Flutter, NestJS, Azure

Full Stack Engineer Aug 2022 – Apr 2023
Etiqa

- **Multiply Labs:** Backend and frontend development of a microservice-based system for Multiply Labs, a US company specializing in individualized drug manufacturing through robotic systems. I also developed and maintained an automation testing suite of unit and integration tests (Python and Selenium) covering all of the system's apps.
  Stack: Python (FastAPI, Jinja2), React with TypeScript, AWS
- **Etiqa:** Development of a 2FA automation testing tool, an API + webhook built on Twilio, written in Python and built and deployed on AWS.

Software QA Engineer Jul 2021 – Aug 2022
Etiqa

- **Ritualmente:** Business analysis (user stories, user story mapping) and manual and automated quality assurance testing (Python and Selenium) for the complete refactoring of an e-learning platform.

Software Engineer Sep 2020 – Jul 2021
A-thon

- **A-thon:** Feature development for an internal Java tool for massive data injection into a Microsoft Dynamics CRM.
- Learned to use and customize Microsoft Dynamics environments with tools such as Power Automate and Power Apps.

EDUCATION

MSc in Biomedical Engineering 2020
Polytechnic Institute of Turin, Turin

Thesis in Computational Hemodynamics: "The impact of inlet velocity profile shape on computational hemodynamic results in left circumflex coronary arteries". Read the thesis

BSc in Biomedical Engineering 2017
University of Pavia, Pavia

Thesis in Computational Hemodynamics: "Valutazione della drag force sulla parete dell'arco aortico tramite analisi fluidodinamica computazionale". View the presentation

CERTIFICATIONS

KCNA: Kubernetes and Cloud Native Associate · Verify badge Dec 2024
ISTQB Certified Tester Foundation Level Dec 2021
First Certificate in English (Cambridge) Jul 2017