CIPRIAN ROBERT SZANTO



FULL STACK DEVELOPER & AI ENGINEER

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01. PROFESSIONAL SUMMARY

Based in Verona, Italy. Full Stack Developer & AI Engineer with 5+ years of production experience and MSc research in Deep Learning. 2x AI Hackathon Winner (2026).

Current active research: Applying deep learning architectures to biomedical imaging for oncological genomic analysis.

02. TECHNICAL SKILLS & PROFICIENCY

ADVANCED (PRODUCTION): TypeScript, Vue.js (Vue 3, Vite), Python, NestJS, JavaScript (ESNext), HTML5 & Modern CSS / Tailwind, Git & GitHub, Gemini API & Multi-Agent Systems

PROFICIENT (SHIPPED): React, Angular, FastAPI, Node.js, SQL & Database Design, Deep Learning, Computer Vision, PyTorch, Docker, Linux / Shell, Penpot (UI/UX Flow Design)

FAMILIAR (ACADEMIC): Spring Boot & Java, Robotics & HCI, Selenium Automation

03. WORK EXPERIENCE

Full Stack Developer - ADI Labs — **SEP 2021 - PRESENT**
PROFESSIONAL

Developing core modules for a comprehensive restaurant management platform. Architected forecasting systems, inventory management, and invoice parsing using Vue, NestJS, and TypeScript while also designing UI and UX flows in Penpot.

Technologies: Vue, NestJS, TypeScript, SQL, Penpot

Junior Dev Intern - ADI Labs — **JUN 2021 - SEP 2021**
INTERNSHIP

Contributed to early internal web apps, focusing on UI prototyping and mastering agile development cycles.

Technologies: Agile, UI/UX, Web Development

Programmer - Sinectra — **APR 2018 - FEB 2020**
INTERNSHIP

Assisted in programming tasks and software maintenance during an introductory internship, gaining hands-on experience with real-world codebases, testing procedures, and collaborative team environments.

Technologies: Software Development, Debugging, Team Collaboration

04. HONORS & AWARDS

Applied Intelligence Award - RelazionEXPO — **OCT 2026**
AWARD WINNER

Awarded the "Applied Intelligence Award" at RelazionEXPO Startup Generation Challenge for CoolCheck, an AI-driven urban microclimate intelligence platform combining satellite data and IoT sensors to help with the problem of urban heat (“Città a 40 gradi”).

Keywords: Hackathon Winner, AI Solution

Special Prize Winner - Elevator Hackathon 2026 — **MAR 2026**
AWARD WINNER

Awarded the Special Prize at Elevator Hackathon 2026 for building Zeer, an autonomous multi-agent product validation engine within 24 hours.

Keywords: Hackathon Winner, Gemini API, AI Agents

05. FEATURED PROJECTS

Zeer - AI Platform MVP **[LINK]**
SPECIAL PRIZE WINNER

Winner of the Special Prize at Elevator Hackathon 2026. Built in 24 hours, Zeer is an autonomous product validation engine. It ingests prototype designs and technical briefs to synthesize an "AI Jury" of diverse target personas. Using an async agentic loop via the Gemini API, it simulates market reception, aggregates objections, and iteratively mutates product descriptions and pricing until maximum conversion is achieved.

Stack: React, Python, FastAPI, Gemini API, AI Agents

ecDNA Oncology - Deep Learning **[LINK]**
ACADEMIC RESEARCH

Master's thesis research engineering customised deep learning architectures to segment and detect extrachromosomal DNA (ecDNA) within multi-channel fluorescence microscopy of adenocarcinoma nuclei.

Stack: Python, Deep Learning, Computer Vision, Medical Imaging

Showly - Translation contributor **[LINK]**
VOLUNTEER / OPEN SOURCE

Contributing to the official Italian localization of Showly, a popular open-source mobile application for tracking movies and TV shows. Translating and reviewing UI strings via Crowdin to ensure context-accurate phrasing and improve the user experience.

Stack: Localization, Crowdin, Open Source, Translation

Univerde / Weplant - Open Source **[LINK]**
ACADEMIC INITIATIVE

Contributed to an open-source university initiative focused on environmental sustainability and student engagement. Enhanced the platform by resolving critical bugs and implementing new features across the full stack to improve system stability.

Stack: Angular, Spring, Docker, Node.js

My Projects - Personal Projects **[LINK]**
PERSONAL LAB

A collection of personal projects driven by the continuous exploration of technologies. Key developments include browser automation scripts using Selenium, the implementation of foundational cryptography algorithms, and the creation of automated data handling pipelines integrated with Google Sheets.

Stack: Python, Selenium, Flask, Cryptography

06. EDUCATION & ACADEMICS

MSc Computer Engineering - University of Verona **OCT 2024 - PRESENT**
MASTER'S DEGREE

Master's degree focused on Intelligent Systems with specialization in AI, Computer Vision, and Human-Computer Interaction. Researching deep learning segmentation and classification models for computational oncology.

Areas: Deep Learning, Robotics, HCI

BSc Computer Science - University of Verona **OCT 2020 - JUL 2024**
BACHELOR'S DEGREE

Built foundational knowledge in algorithms, data structures, and software engineering principles.

Areas: Algorithms, Data Structures, Databases, Software Engineering

High School Diploma - Istituto Statale Istruzione Secondaria Superiore M.O. Luciano Dal Cero **SEP 2015 - JUN 2020**
HIGH SCHOOL

Completed a comprehensive curriculum with a strong specialization in Information Technology, building early technical foundations and programming skills.

Areas: IT Fundamentals, Computer Science

07. COMMUNITY & VOLUNTEERING

Web Developer - TEDxUniversity of Verona
APR 2026 - PRESENT
COMMUNITY

Developed the official TEDxUniversityofVerona website. Collaborated closely with cross-functional teams to translate event requirements into digital solutions.

Focus: React, Web Development, UI/UX

Core Team Member - Google Developer Group Vicenza
OCT 2025 - PRESENT
COMMUNITY

Contributed to the development of the official website for DevFest 2026, ensuring an optimal user experience for attendees. Accelerated technical capabilities by co-organizing monthly meetups and workshops, collaborating with speakers and sponsors to deliver high-value content to the developer community.

Focus: Angular, Community Building, Event Organization

Learning Disorder Tutoring - Independent
MAY 2018 - MAY 2020
MENTORSHIP

Tutored high school students in IT-related subjects, adapting complex technical workflows to create accessible learning experiences for individuals with specific learning disorders.

Focus: Mentorship, Accessibility, Teaching

08. SPOKEN LANGUAGES

Italian: NATIVE | Romanian: NATIVE | English: B2 CERT 2019