Alessandro Pellegrino
Software engineer

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EXPERIENCE

ENGINEERING Ingegneria Informatica, Padova, Italy
Integration Software engineer - Sept 2023 - Present

- Developed and implemented over 40 integration solutions for diagnostic applications across more than 20 Italian healthcare facilities.
- Created and optimized automation scripts that reduced deployment time by 20%, streamlining the delivery process.
- Successfully managed over 120 second-level support tickets, reducing response and resolution times by 30%.

BIOIMED SRL, Trieste, Italy
CTO and Chief Engineer Jan 2021 - Present

- Developed and implemented the primary internal development process, defined company standards and conventions, structured the development pipeline, and automated tasks through scripting.
- Designed, developed, and implemented a home automation system for remote monitoring of elderly and vulnerable individuals. Patient habits were tracked using machine learning algorithms trained on over 3 millions data points. Detected more than 20 potentially dangerous incidents each month.
- Acquired new clients, driving a 30% increase in company revenue.

PRODIGYS SRL, Trieste, Italy
Senior Software Engineer - DEEP LEARNING Gen 2021 - Aug 2023
Junior Software Engineer - DEEP LEARNING Gen 2020 - Dec 2020

- Designed and developed a system for the automatic recognition of cancer cells in blood flow. The system can classify ~100 cells/s in a controlled, constant-speed flow in real time.
- Developed 100+ new features for company products and resolved 300+ tickets
- Independently developed and managed over 10 company projects
- Created scripts to automate testing and deployment processes, reducing release time by over 30% and minimizing the risk of production issues.

EDUCATION

MSc Biomedical Engineering, final grade: 107/110 Trieste, Italy
University of Trieste, Trieste, Italy **2017-2019**
Second-level Master's degree in Clinical Engineering, Trieste, Italy
University of Trieste, Italy, **2020-2021**
BSc Computer Science Engineering, Italy
University Magna Graecia of Catanzaro, Catanzaro **2013-2017**

SKILLS

- Languages: Python, Java, Javascript.
- Frameworks: Django, Angular, Flutter, Ionic, TensorFlow, PyTorch, Spring
- Others: Data structures and algorithms, Machine Learning, Domotics, Arduino, Raspberry PI, automation, Scraping, Web App Development and Mobile App Development