Joel **Jonassi**

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SUMMARY

IT Systems Engineer skilled in problem-solving and solution development. Dedicated to continuous learning and passionate about leveraging technology to drive innovation and efficiency.

PROFESSIONAL EXPERIENCE

Software engineer
Linovt – Engenharia Software, Lda. | Porto**, Portugal |** 09/2023 – 10/2024
- Developed RESTful API and mobile application to streamline messaging within workshop management, enhancing operational efficiency and communication.
- Created a workshop support platform to optimize workflows, increase productivity, and elevate customer service quality.

Intern Software Developer
Optimizer – Serviços e Consultadoria Informática, Lda.

Porto**, Portugal |** 02/2023 – 06/2023
- Collaborated with electronics and computer systems engineers to develop an animal-tracking system for farmers, providing real-time oversight and reducing livestock losses.
- Designed a mobile application for farmers to monitor livestock and a web platform for administrators to manage users and devices.

Research member

AFN Norte | Porto**, Portugal |** 09/2022 – 06/2023
- Conducted research and development of a proof-of-concept (PoC) virtual reality system to address public speaking phobia.
- Focused on leveraging immersive VR technology to create a controlled environment for anxiety management and skill improvement.

Marine Electrician
West Sea | Viana do Castelo**, Portugal |** 08/2021 – 01/2022
- Installed and tested electrical systems in compliance with ship designs and safety standards.

Intern Electronics, Automation and Control Technician
MCL Components Lda. | Zejtun, **Malta** | 01/2018 – 03/2018
- Created and tested prototypes, including a waterless egg-boiling system.

Intern Electronics, Automation and Control Technician
NIBBLE - Engenharia, Lda. | Trofa, **Portugal** | 04/2017 – 06/2017
Main activities:
- Assembled and manufactured luminaires, push buttons, intrusion and fire detection systems.

Intern Electronics, Automation and Control Technician
Sataedu School | Pori, **Finland** | 03/2016 – 04/2016
- Programmed PLCs using Ladder Language and mounted pneumatic circuits.

HONORS & AWARDS
- **1st Place** – IdroneCup | IPCA, 2017.
- **RoboParty Participant** | University of Minho, 2017.

EDUCATION

Viana do Castelo Polytechnic Institute (IPVC)
M.S. in Cybersecurity | Viana do Castelo, **Portugal**
09/2024 – Stopped
Level 7 in EQF

Cávado and Ave Polytechnic Institute (IPCA)
B.S. in Computer *Systems Engineering* | Barcelos, **Portugal** |
09/2020 – 07/2023
Level 6 in EQF

CIOR Professional School
Technician in Electronics, Automation, and Command | Vila Nova de Famalicão, **Portugal** | 09/2015 – 06/2018
Level 4 in EQF

Escola Profissional do Songo
Electrician Technician | Cahora Bassa, Tete, **Mozambique** | 2012 – 2014
Level 3 in EQF

PUBLICATIONS
Virtual Reality for Public Speaking Phobia Mitigation, co-authored with Luís Ferreira and José Cerqueira. Presented at the International Conference on ENTERprise Information Systems (DOI: 10.1016/j.procs.2024.06.416).

COURSEWORK
- **Data Structures & Algorithms**: Designed job scheduling to optimize production timelines.
- **AI for Schedule Optimization**: Built an intelligent agent for class scheduling, reducing travel and resource use.
- **Computer Vision**: Created image recognition to categorize oranges, enhancing production accuracy.
- **Legal Support System**: Developed case management and deadline tracking for lawyers to streamline legal workflows.

SKILLS

- **Programing Languages/Frameworks:** C/C++, C#, Python, Javascript, Html/CSS, SQL, Kotlin, Dart, Flutter, .NET, Blazor, Angular JS, Unity.
- **Database**: Relational and Non-Relational (PostgreSQL, MongoDB).
- **Business Intelligence & Data Analysis**: Kettle, Power BI, AI Algorithms, Machine Learning
- **Electronics Knowledge:** Microcontroller Programming, PCB Design, Simulation with Multisim, PLC (Ladder Language).
- **Operating Systems**: Windows, Linux