



PEDRO VINHA

SOFTWARE DEVELOPER

Personal Information

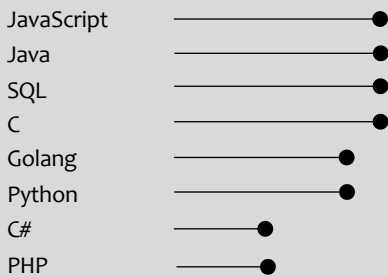
- (+351) 934847734
- pa.v.vinha@gmail.com
- Worldwide or Remote
- Portuguese

Links (click on)

- LinkedIn | @pedro-vinha
- GitHub | @Setraick
- Website | pedrovinha.com

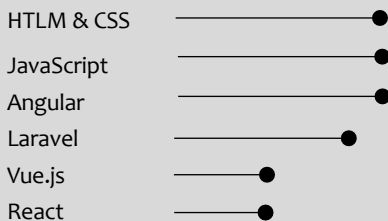
Technical Language Skills

General



Technical Language Skills

Web Development oriented



Language Skills



Interests



PROFILE

Hello! I am Pedro Vinha, a self-motivated, curious, and enthusiast software developer, who can deliver added value to any company. I bring strong data analysis and problem-solving skills; my analytical thinking and empathy facilitate a better understanding of each client needs; my communication skills and proactivity make me a good team player, but no less of someone who can work by himself, with autonomy and accountability. I am creative, I can learn fast, and I am uplifted by innovation. I like to inspire and to be inspired, always willing to evolve and grow.

EXPERIENCE

CARLSON SOFTWARE

Software Engineer & Full-Stack Developer, Carlson Navigation (2023 - Present)

- Contribute to the development and modernisation of GPS/GNSS solutions for land surveying and machine control, working within a multinational and multidisciplinary engineering team.
- Own the maintenance and enhancement of embedded web server and client application layers across embedded Linux and Windows platforms.
- Designed and developed a production application for device flashing, cataloguing, and testing of hardware manufactured in the U.S.; adopted as the standard tool across multiple product lines, improving reliability, traceability, and workflow consistency.
- Led the setup and implementation of the production test system on the U.S. assembly line, ensuring efficient and scalable validation workflows.
- Contributed to the development of Linux kernel-level scripts supporting hardware interaction, device configuration, and production workflows.
- Collaborate daily with a globally distributed team spanning Europe, North and South America, and Africa, contributing to cross-functional development and integration efforts.

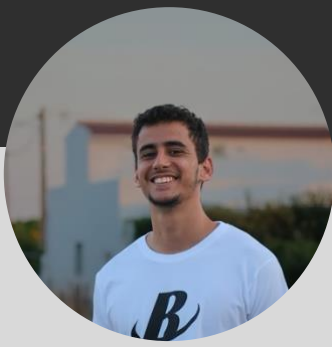
CERTWO, LD

Salesforce Developer & Business Analyst & Administrator, LSDM (2022 - 2023)

- Spearheaded and executed integrations between Salesforce and PHC, as well as Calendly, streamlining lead management and improving sales processes.
- Innovated lead generation by implementing solutions to extract leads from Google and the client's website, resulting in a substantial increase in lead quality and conversion rates.
- Championed the implementation of a custom package developed by our team, enabling LSDM to initiate calls directly from Salesforce, significantly enhancing communication efficiency.
- Played a pivotal role in driving the transition from the previous communication system to the newly
- Took decisive actions and developed functionalities that had a direct impact on the organization's sales and administrative processes, revolutionizing how information was stored and interacted with.
- Employed Apex and JavaScript to create tailored solutions that optimized workflows, minimized manual efforts, and enhanced user experience.
- Demonstrated exceptional decision-making skills, carefully considering the trade-offs between impact and time investment for each integration project.
- Successfully managed diverse stakeholder expectations, effectively bridging communication gaps between technical and non-technical teams.

Salesforce Developer, Farfetch (2021 - 2022)

- Collaborated on a multifaceted workload distribution system that leveraged omni-channel technology, contributing to improved team efficiency and collaboration.
- Demonstrated technical prowess and problem-solving acumen, actively engaging in the development and execution of key projects.
- Supported the team in adopting an execution-focused approach, fostering a culture of innovation and continuous improvement.



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EDUCATION

POST-GRADUATION IN ANALYTICS AND ORGANIZATIONAL INTELLIGENCE

Polytechnic Institute of Tomar, Portugal, 2021-2022

Main Projects:

- Development of a mobile app in Java for data collection and analysis.
- Creation of Python algorithms to generate driving behavior predictions.
- Design of a data dashboard to visualize project insights.
- Published work in ScienceDirect, "Using machine learning to understand driving behavior patterns", 2024.

COMPUTER ENGINEERING DEGREE

Polytechnic Institute of Tomar, Portugal, 2016-2021

Final Project: Development of a dashboard aiming to assist Softinsa's support team in prioritizing clients' requests based on a ticketing system.

Main Subjects: Internet Technologies II, Data Structures and Algorithms, Databases II, Probabilities and Statistics, Object-Oriented Programming, Systems Analysis, Information Systems Design, Distributed Systems, Mathematical Analysis I & II, Operating Systems, Data Networks II, Computer Network Management and Security

SKILLS

- Full-Stack Development: Applied advanced coding skills to develop tailored functionalities, inside embedded processes using JavaScript and GoLang as main languages.
- Salesforce Development: Proficient in utilizing Salesforce to create customized solutions and integrations, enhancing business processes and user experience.
- Integration Expertise: Successfully integrated Salesforce with PHC and Calendly, resulting in improved lead management, data accuracy, and scheduling efficiency.
- Stakeholder Management: Adept at managing diverse stakeholder expectations, facilitating effective communication between technical and non-technical teams.
- Decision-Making: Demonstrated ability to make informed decisions by considering trade-offs between impact and time investment.
- Innovative Problem-Solving: Known for innovative approaches to problem-solving, resulting in streamlined workflows and enhanced efficiency.

ADDITIONAL INFORMATION

- Led initiatives to cultivate impactful student movements, as part of both the *Magnum Consilium Veteranorum* and the IPT Students Union;
- Contributed to ecumenical community events, undertaking various responsibilities that showcased adaptability and commitment;
- Gained practical experience in customer service and operations support through roles at O Espigueiro, Sociedade de Panificação, Lda.

2024/10/01



LETTER OF RECOMENDATION

João Viana | Navigation Division Director | Carlson Software

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To Whom it May Concern:

It is with great enthusiasm that I recommend Pedro Vinha for any position or opportunity he may pursue. Over the past 12 months, Pedro has been a valued member of Carlson Software, where he integrated seamlessly into our multinational, multidisciplinary team, tasked with developing cutting-edge GPS/GNSS products for the land surveying and machine control industries.

As the lead of this diverse team, I had the opportunity to oversee Pedro's work firsthand. Our team is responsible for the full lifecycle of product development, including electronic design, GNSS navigation engine, sensor fusion algorithms, Linux kernel and driver development, microcontroller firmware, as well as embedded web server and web client application layers. Pedro primarily focused on maintaining, extending, and modernizing the embedded web server and client application layers - contributing to multiple products across various platforms, including embedded Linux architectures and MS Windows-based systems.

Pedro's ability to collaborate effectively with our global team, which includes members from Sweden, Finland, the United States, Argentina, the Czech Republic, Slovakia, Lithuania, Spain, Togo, Brazil and Portugal, was impressive. Working in a highly international environment where English is the primary language, Pedro demonstrated not only his technical proficiency but also his fluency in English and his adaptability to different cultures and working styles.

During his time at Carlson Software, Pedro displayed a remarkable capacity to learn quickly. He gained extensive experience in embedded platforms, learned to consider limited computational resources and adopting new workflows for debugging and testing procedures. His work became progressively more efficient and streamlined as he grew into his role.

I am confident in Pedro's ability to deliver high-quality results independently, even with minimal supervision. His rapid development and contributions have been invaluable to our team, and I have no doubt that he will be a valuable asset to any organization fortunate enough to have him.

If you require any further information or have any questions, please feel free to contact me. I am happy to provide additional details regarding Pedro's performance and capabilities.

Sincerely,

CARLSON NAVIGATION PT
UNIPessoal, LDA
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Rua dos Lusíadas, n.º 9 - 4.º Esq.
1300-365 Lisboa

João Viana

Navigation Division Director

Certwo, Lda
Rua Mateus Vicente 26, R/C Dto
São Domingos de Benfica, 1500-447
15 September, 2023

To Whom It May Concern,

We are pleased to write this letter of recommendation for Pedro Vinha, who recently completed an internship at our company, Certwo. Pedro joined our organization to undertake his final graduation project in a subject related to AI/Automation.

During his internship, Pedro worked extensively with Salesforce, gaining a solid foundation in this powerful cloud-based platform, worked closely with our customers' operations and walked through various integration tools implemented. His ability to understand and work with some of Salesforce's complex concepts was evident throughout his time with us.

Pedro's most notable attribute is his innate curiosity and desire to learn. He was eager to embrace new challenges for personal and professional growth and showed enthusiasm when put to test.

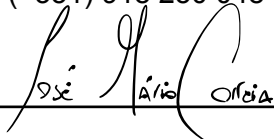
Throughout his internship, Pedro joined two projects. The first, in Service Cloud, he took his first steps as a Salesforce consultant and demonstrated how well he could play a team member within a wider team. He undertook the second project independently with some guidance. These experiences showcased his initiative, problem-solving capabilities, and capacity to thrive under pressure.

In summary, we recommend Pedro Vinha for any future opportunity. He possesses the qualities of intelligence, dedication, and a strong desire to learn that are essential for success in any role. Pedro is a promising individual with great potential, and we are confident he will excel in his future endeavors.

If you require any additional information or have further questions about Pedro's performance during his internship, please do not hesitate to contact us.

Sincerely,

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Pedro Cascalho, Partner/Senior Developer
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