

Lucas de Linhares

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EDUCATION

Polytechnic Institute of Viana do Castelo

Higher Professional Technical Course in Information Systems Technologies and Programming

Viana do Castelo, PT

Sep. 2023 - May 2025

Monsserrate Secondary School

Professional Course in Electronics, Automation and Control

Viana do Castelo, PT

Sep. 2020 - Jul 2023

EXPERIENCE

Web Development Internship - Internal Platform Development

JCC - Diagnostic Imaging

Fev 2025 - June 2025

Viana do Castelo, PT

- Developed a dynamic internal platform using Rust, Actix-Web, Svelte, TailwindCSS and MySQL/MariaDB, initially designed as a document management system, evolving into a comprehensive daily tool for all employees
- Implemented systems for due date tracking, role-based access control, and notifications to enhance workflow efficiency
- Developed a vacation booking system allowing employees to request time off and administrators to manage company-wide vacation schedules
- Created communication tools for administrators to send company-wide announcements
- Built a flexible system where administrators can create and manage pages with customizable fields for various document management needs

Machine Learning Internship

Ctrl + Alt DEV

May. 2023 - July 2023

Viana do Castelo, PT

- Developed a machine learning model using TensorFlow, NumPy, Pandas and SciKit-Learn to predict maintenance needs of factory machines, improving efficiency and reducing costs

Web Development and PLC Internship

Ctrl + Alt DEV

May 2022 - July 2022

Viana do Castelo, PT

- Enhanced full-stack project for machine management using Node.js, Adonis, React.js and PostgreSQL
- Integrated Programmable Logic Controllers (PLCs) with the existing system
- Contributed to feature design, debugging, and troubleshooting

PROJECTS

Autism Support Automation Platform | Go, PostgreSQL, Nginx, React, Docker

Sep 2023 - Jan 2024

- Selected as one of three volunteers for a special university project originating from the Netherlands, aimed at enhancing the lives of autistic individuals through technology
- Focused on resolving access issues to FreshDesk on the platform, implementing solutions, deploying on the production server, and documenting the process for creating new automations
- Performed a careful analysis of the code, configuration files, and structures to identify and correct errors encountered during testing

Freelance E-commerce | React, TypeScript, Django, Python, PostgreSQL, Stripe

Nov 2020 - Present

- Develop and maintain a fully functional e-commerce website from design to deployment
- Implement features for sales, product catalog management, and site optimization

Discord Bot | Python, PostgreSQL

Sep 2020 - Present

- Developed a feature-rich Discord bot using the latest API with support for both slash and prefixed commands
- Implemented a custom internationalization (i18n) system, supporting multiple languages
- Integrated with external APIs including YouTube Dislike API and Sponsorblock to enhance user experience
- Built advanced audio functionality including filters, text-to-speech, and music auto-recommendation
- Support for multiple platforms like YouTube, Spotify, Apple Music, Twitch, SoundCloud, Vimeo, and Bandcamp
- Developed media download capabilities with automatic format conversion to mp3 at 320kbps bitrate

TECHNICAL SKILLS

Languages: Python, Rust, JavaScript, TypeScript, HTML, CSS, C, SQL, Go, C#, Java, Shell Scripting

Frameworks: React, Node.js, Tailwind CSS, Svelte, Astro, FastAPI, Django, Tauri, Actix-Web, Angular, Ionic, TensorFlow, SciKit-Learn, Stripe

Developer Tools: Git, Docker, GitHub, GitHub Actions, Netlify, Vercel, Linux