Lucas de Linhares

lucasdelinhares@gmail.com | lucasdelinhares.com

linkedin.com/in/lucas-de-linhares | github.com/lucascompython

EDUCATION

Polytechnic Institute of Viana do Castelo

Higher Professional Technical Course in Information Systems Technologies and

Programming

Monserrate Secondary School

Professional Course in Electronics, Automation and Control

Viana do Castelo, PT

Sep. 2020 - Jul 2023

EXPERIENCE

Web Development Internship - Internal Platform Development

Fev 2025 - June 2025 Viana do Castelo, PT

JCC - Diagnostic Imaging

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- 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 companywide 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

May. 2023 - July 2023

Ctrl + Alt DEV

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

May 2022 - July 2022

Ctrl + Alt DEV

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