Luke Connolly, Software Engineering

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LINKS

lukeconnolly.dev

PROFILE

Software Engineer adept in design, implementation and testing of software in various languages.

Outgoing and friendly university student with excellent communication skills.

A team player with strong leadership skills as evidenced in sporting achievements.

EMPLOYMENT HISTORY

Mar 2023 — Sep 2023

Software Engineer, Rapid7

Dublin

- Developed and maintained software in multiple programming languages, such as Java, Python, and JavaScript.
- Designed and developed a scalable, highly availability web applications that handled 100s of thousands of concurrent users with minimal downtime.
- Gained experience in React, Spring, Jenkins, AWS and more.

EDUCATION

Sep 2020 — Present

Computer Science, University College Dubin

Dublin

Current GPA: 3.58

Web Development: A

Object-Oriented Programming: A-

Data Structures: A

Sep 2014 — Jun 2020

Leaving Certificate, Colaiste Eoin

Carlow

Graduated with 565 points.

H1 Maths

H1 Engineering

H1 Biology

SKILLS

Dedicated Team Player	Kubernetes
Highly Motivated	Git
Leadership Skills	CI/CD
Effective Time Management	Linux
React	AWS
Docker	Sprint & Agile

EXTRA-CURRICULAR ACTIVITIES

Jun 2006 — Present

Galiec Football Player

Dedicated Player, with experience in multiple high performance teams.

Carlow Senior Player 2019-2023.

Carlow Minor Captain 2018.

Clonmore Vice Captain 2020.

REFERENCES

References available upon request

Licence Plate Reader

Developed a versatile Automatic Number Plate Reader (ANPR) system using Python, featuring a custom object detection model and leveraging the powerful EASYOCR library for efficient optical character recognition. This project combines computer vision and machine learning to accurately detect and extract license plate information from images and videos.

Key Achievements and Components:

1. **Custom Object Detection Model:** Designed and trained a custom object detection model to locate and isolate license plates within images and video streams.
2. **EASYOCR Integration:** Employed the EASYOCR library, a state-of-the-art text recognition tool, to extract alphanumeric characters from the identified license plates. This integration ensures robust and precise optical character recognition
3. **Versatile ANPR Capabilities:** The ANPR system is not limited to a specific context and can be applied to a wide range of scenarios, including security, parking management, and traffic monitoring.

Personal Website

Designed and developed a dynamic and responsive personal website using Next.js, React.js, and TypeScript. The website serves as an interactive platform to showcase my portfolio, share professional information, and engage with visitors. It reflects a strong commitment to web development, user experience, and the use of modern technologies.

Key Features and Technologies:

1. **Next.js Framework:** Leveraged the Next.js framework to build a fast and SEO-friendly website with server-side rendering and efficient client-side navigation.
2. **React.js Components:** Created a visually appealing and interactive user interface with React.js components, ensuring a seamless and engaging user experience.
3. **TypeScript Integration:** Utilised TypeScript to enhance code quality, maintainability, and developer productivity by adding static typing to the JavaScript ecosystem.

Jira Board to Slideshow

Developed a time-saving Python script to streamline the process of creating dynamic and visually engaging slideshows for sprint retrospective and review meetings. The script automates the extraction of Jira board data and converts it into a presentation format, eliminating the need for manual and time-consuming slide creation. This solution significantly enhances team productivity and communication.

Key Features and Contributions:

1. **Seamless Jira Integration:** Integrated with the Jira API to retrieve essential data, including user stories, tasks, bugs, and their respective statuses.
2. **Data Transformation:** Processed and organised the Jira board data for easy presentation, including issue summaries, assignee's, and status.
3. **Dynamic Slide Generation:** Generated presentation slides using Python's pptx library, with the ability to customise slide templates, styles, colors, and fonts.
4. **Team Customisation:** Tailored the script to align with team preferences and branding, ensuring a cohesive and professional look for all presentations.