

# Kyle Kinsella

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## SUMMARY:

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- Aspiring Software Developer, proficient in languages such as: Go, C++, Java, Python, and others. Passionate about creating efficient, maintainable and testable software and eager to contribute to real-world projects. Experienced in retail role at Movies@ Gorey, where I developed excellent communication, problem-solving and teamwork skills. My career goals include combining my technical knowledge and interpersonal strengths to launch a successful career in software development.

## Technical Skills:

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- Languages:** Go, C, C++, Java, Python, PHP, JavaScript (Ajax).
- Tools & Frameworks:** Git, GitHub, VS Code, Docker, Spring Boot, Linux (Ubuntu, Pop!\_OS).
- Concepts:** Unit Testing, UML, Design Patterns, Data Structures and Algorithms, REST API Design & Development, Agile (Scrum, Kanban), Test-Driven Development (TDD).
- Databases:** Microsoft SQL Server, MySQL.

## EDUCATION:

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Bachelor of Science (Honours) Software Development

South East Technological University, 2021-2025

- Coursework includes Programming languages such as C++, Java, Go, and others, together with Unified Modeling Language (UML), Design Patterns, Unit Testing, Data Structures and Algorithms, Operating Systems, Data Science and Machine Learning, Concurrent Development and additional software development topics.

## Projects:

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Throughout my four years in college and personal development afterwards, I have designed and built multiple software projects across different technology stacks. Below are my most developed and impactful projects:

- Random Test Data Generation (College):** Developed a tool to automatically generate structured test cases for the Java testing library JUnit, improving test coverage and efficiency. Strengthened my knowledge of automation, reusable component design, and software reliability.
- Kyle Connect (College):** I recently completed developing a communication website for my final year project, focusing on key features such as one to one messaging, creation of servers (group chats) and many more. This project was built using HTML, CSS, Go, MySQL, and Docker.
- Building an Interpreter (Personal):** Created a fully functional programming language interpreter in Go. Gained deep experience in lexing (tokenizing source code), parsing (constructing an Abstract Syntax Tree using Pratt Parsing), and evaluation of the AST. This project was both challenging and highly rewarding.
- Job Application Tracker (Personal):** I'm currently developing a web application using HTML, CSS, JavaScript, React and Git, to efficiently track job applications. This project demonstrates my ability to design intuitive user interfaces, manage application state, and implement dynamic front-end functionality.

## EXPERIENCE:

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Retail Sales Associate (General Operative): March, 2022 - September, 2025 - Movies@ Gorey

- Provided excellent customer service by assisting customers with ticket purchases, seating arrangements and ensuring an enjoyable cinema experience.
- Operating tills with precision and efficiency. Handling high-volume sales during peak hours while maintaining accuracy in transactions and adherence to cash-handling procedures.
- Resolved customer queries using active listening and problem-solving skills.