



# Jacob Drizzle

Software Engineer

## Contact

### Github

<https://github.com/JacobDrizzle>

### Email

[jd\\_git@protonmail.com](mailto:jd_git@protonmail.com)

### Website

<https://jacobdrizzle.dev/>

## Expertise

Programming

Problem Solving

Mathematics

Critical Thinking

Database Design

Algorithms

Leadership

Team Building

Negotiation

Business

## Languages

English

German (Studying)

## Tech Stack

Usually the tools I use for the job, depend on the job. There's no one-size fits all, and as such I'm always trying out new technologies, and constantly learning.

## Education

### 2024 - 2026

Munster Technological University

**Grade:** Awaiting

### (Bsc) in Software Development

Comprehensive coursework in advanced software engineering, algorithms, and project management with hands-on experience in collaborative projects and innovative development practices.

### 2023 - 2024

Morrisons Island Campus

**Grade:** Distinction

### QQI Lvl 6 in Software Development

Achieved distinctions in modules such as Object-Oriented Programming with C++, Software Architecture, and Web Development

### 2023 - 2023

### New Frontiers entrepreneur program

### 2022 - 2023

### QQI Lvl 5 Start your own business

### 2022 - 2022

### QQI Lvl 5 in JavaScript

### 2021 - 2022

### QQI Lvl 5 in HTML + CSS

### 2018 - 2019

### QQI Lvl 5 in Organic Horticulture

## Technical Profile

### Full-Stack

#### Expertise:

Extremely proficient in developing robust applications using languages like C++, C, Python, Java, TypeScript, JavaScript, and Rust.

### Frontend &

#### Backend Mastery:

Experienced with modern frameworks including React, Next.js, and Svelte on the frontend; Node.js, Express.js, Django, and Flask on the backend.

### Database

#### Management:

Skilled in designing and managing databases such as MySQL, PostgreSQL, MongoDB, Neo4J, and Firebase, with familiarity in GraphQL.

### Cloud & DevOps

#### Proficiency:

Adept at deploying solutions on AWS, Google Cloud, and Azure; experienced with containerization (Docker, Kubernetes) and CI/CD pipelines.

### Automated

#### Testing & Tooling:

Knowledgeable in using testing frameworks like Selenium, Cypress, Jest, Mocha, and Pytest cov, alongside modern version control and development tools.

## Achievements and Aims:

My most notable achievement was whilst taking part in the Innovation Challenge 2025. Where i personally designed, developed, and implemented an automated solution for an existing manual quality control process.

**Aspen Grove** has estimated my solution will save them **\$1,000,000** annually.

My current aim is to gain employment within a software development role and help fund my brothers computer science degree and my mothers masters degree.

# Work Experience

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## Traffic Management Operative (Summer Job 2024) MTM

### Duties:

- Coordinated traffic flows to ensure public safety and efficiency in work zones.
  - Developed strong teamwork, communication, and problem-solving skills in high-pressure environments.
  - Managed logistical challenges with attention to detail and effective communication.
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## Volunteer (Cork City Marathon 2024) Cork

### Duties:

- Guided participants to appropriate registration areas for different race categories.
  - Distributed race materials and goodie bags to runners at event check-in.
  - Provided general assistance and information to participants throughout the marathon event.
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## IT Technician (Work Experience 2024) Tramore Rd Campus

### Duties:

- Worked on creating and deploying Group Policy Objects (GPOs) for software installation.
  - Collaborated with the team to implement and test policy updates across the network.
  - Contributed to automation and scripting efforts to streamline IT processes.
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## Hotel Night Manager (8 Months 2022 - 2023) Kenmare Bay Hotel

### Duties:

- Supervised nightly operations, ensuring smooth and efficient management of guest services.
  - Addressed customer needs with professionalism, honing interpersonal and organizational skills.
  - Ensured the safety and security of the property and guests.
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## Landscaper (3 Years 2019 - 2022) WillowFields

### Duties:

- Designed and maintained outdoor spaces, requiring attention to detail and creativity.
  - Worked collaboratively with clients to meet unique project requirements.
  - Built resilience and time management skills through physically demanding work.
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## Hostel Porter (6 Months - Summer Job in Holland) KingKool Hostel

### Duties:

- Maintained cleanliness standards throughout hostel rooms and bathroom facilities.
  - Coordinated daily laundry collection, processing, and distribution for guest accommodations.
  - Managed incoming deliveries, including efficient loading, unloading, and proper storage of supplies.
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## Shop Assistant (4 Years 2016 - 2020) SuperValue

### Duties:

- Provided excellent customer service, assisting in sales, inventory management, and cash handling.
- Developed communication skills and a strong work ethic in a fast-paced retail environment.
- Contributed to team success through reliable and proactive work.