

# Tailored Resume: Co-Founder & Software Engineer @ MockCorp

ATS-Optimised — Confidential

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Liam Murphy

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## Education

Bachelor's Degree in Computer Science

National University of Ireland, Galway (GPA: 4/4)

Graduation Year: 2020

## Experience

Co-Founder & Software Engineer

CryptoWave Solutions (03/2021 - Present)

Location: Ireland | Industry: Blockchain Technology

Co-founded and led a startup specializing in app and software development with a focus on blockchain technology

Provided blockchain consultations for 10+ companies, enhancing their software capabilities with secure, decentralized solutions

Developed blockchain applications, integrated cutting-edge technology to meet client needs and drive industry innovation

## Research Intern

National University of Ireland, Galway (11/2022 - 03/2023)

Location: Galway, Ireland | Industry: IoT Security Research

Conducted in-depth research on IoT security, focusing on binary instrumentation and runtime monitoring

Performed in-depth study of the MQTT protocol and Falco

Developed multiple software components including MQTT packet analysis library, Falco adapter, and RML monitor in Prolog

Authored thesis "Binary Instrumentation for Runtime Monitoring of Internet of Things Systems Using Falco"

## Software Engineer

University Hospital Galway (05/2022 - 11/2022)

Location: Galway, Ireland | Industry: Healthcare IT

Integrated and enforced robust security protocols

Developed and maintained a critical software tool for password validation used by over 1,600 employees

Played an integral role in the hospital's cybersecurity team

## Projects

### JobBot

AI-driven tool to automate and personalize job applications on AIHawk, gained over 3000 stars on GitHub, improving efficiency and reducing application time

Link: JobBot

### mqtt-packet-parser

Developed a Node.js module for parsing MQTT packets, improved parsing efficiency by 40%

Link: mqtt-packet-parser

## Achievements

Winner of an Irish public competition - Won first place in a public competition with a perfect score of 70/70, securing a Software Developer position at University Hospital Galway

Galway Merit Scholarship - Awarded annually from 2018 to 2020 in recognition of academic excellence and contribution

GitHub Recognition - Gained over 3000 stars on GitHub with JobBot project

## Certifications

C1

## Languages

English - Native

Spanish - Professional

## Interests

Full-Stack Development, Software Architecture, IoT system design and development, Artificial Intelligence, Cloud Technologies

# Interview Highlights

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## INTERVIEW PREPARATION GUIDE

Role: target role | Company: this company

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### KEY TALKING POINTS FOR YOUR INTERVIEW:

1. Use role-specific keywords from the job posting in your experience bullets.
2. Quantify outcomes in operations/supply chain terms (cost, cycle time, fill rate).
3. Place the exact role title in your headline if it matches your target role.

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TIP: Practice each point with a STAR story (Situation, Task, Action, Result) before your interview.