



PROFILE

Motivated Software Developer with a strong foundation in backend development, DevOps practices, and cloud-native technologies. Proven ability to deliver impactful tools in production environments, including a cloud cost monitoring dashboard used while on CO-OP. Experienced in building RESTful APIs, working with Kubernetes and Docker, and implementing observability stacks using Prometheus and Grafana. Seeking a full-time role where I can contribute technical value from day one and grow as a Software Developer, Engineer, Full Stack Engineer or DevOps engineer.

CONTACT

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GitHub: <https://github.com/Calvin155>

Calvin Lynch – Software Developer/Engineer

EDUCATION

College: Technological University of the Shannon Midlands Midwest (TUS), Moylish Limerick

September 2021 to current (Expected Graduate Year 2025 – Level 8)

Course: Software Development BSc (Hons – Level 8) in Computer Science

Current Award: QQI Level 7 – Ordinary bachelor's degree
Year 4 GPA (Currently Ongoing): 74.81%

4th Modules:

Semester 1: Enterprise Application Development, Big Data Mining & Analysis (Elective), Software Management Techniques & Reactive Systems.

Semester 2: Api Design & Development, Machine Learning & Predictive Analysis, Software Management Techniques 2, Software Quality Engineering & Penetration Testing (Elective).

College: Limerick College of Further Education (LCFE) – 2020 - 2021

Course: Software Development

Result: Distinctions in All Modules

Secondary School: St. Clements Redemptorist College, Limerick

Result: Leaving Certificate

CERTIFICATES, AWARDS & ACHIEVEMENTS

- Palo Alto – Cloud Security Fundamentals Apprentice – 2025
- Junior Penetration Tester – Try Hack Me – 2025
- Microsoft Azure: Describe Cloud Concepts, Describe Azure Architecture & Services
- 5 Year Service Award – Absolute Hotel Limerick 2023
- Full Clean Driving Licence

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C#, HTML, CSS & PHP
- **Frameworks:** Spring Boot, React, FastAPI, Flask & Codelgniter
- **Cloud & DevOps:** AWS, Azure, Docker, Kubernetes (K3s), GitHub Actions, CI/CD & ArgoCD.
- **Monitoring & Observability:** Prometheus, Grafana & Prometheus
- **Databases:** PostgreSQL, MySQL, InfluxDB & Cassandra
- **Tools:** Co-Pilot, Git, Linux (CLI, WSL, Ubuntu), Bash, Jira & Miro
- **Methodologies:** Agile (Scrum/SAFe), SDLC, MVC & Rest API Design
- **IDE's:** VS Code & Spring Boot.

SOFT-SKILLS

Communication
Teamwork
Problem-Solving
Critical Thinking
Adaptability
Time Management
Creativity
Empathy
Active Listening
Attentive
Decision Making
Flexibility
Self-Motivation
Learning

HOBBIES & INTERESTS

Reading
Football & Hurling
Running
Music
Chess
Nature
Cycling

COLLEGE & PERSONAL PROJECTS

College & Personal Projects:

Final Year Project – Air Quality Monitoring using Raspberry Pi

Developed a portable air quality system using Particulate Matter & CO₂ sensors on a Raspberry Pi. Processed sensor data using Python and exposed metrics via a FastAPI backend. Visualized data in real-time using a React frontend and Swift mobile app. Stored time-series data in InfluxDB (AWS).

Tools: Python, FastAPI, React, Swift, InfluxDB, Raspberry Pi, Docker, AWS

DevOps Project – System Performance Monitoring with Prometheus

Set up a performance monitoring stack using Node Exporter, Prometheus, and Grafana to monitor Raspberry Pi health and performance. Using Grafana dashboards and configured alert rules.

Tools: Prometheus, Grafana, Node Exporter, Docker, Web-Hooks

Farm Management System (Group Project – 3rd Year – Result: 75%)

Built a full-stack CRUD application to manage livestock, inventory, and scheduling for farmers.

Tools: C#, WinForms, MySQL, Azure, GitHub

More at: <https://cv-calvin.vercel.app/projects>

WORK EXPERIENCE

Software Engineer Intern

Progress Software Corporation – January 2024 – August 2024

- Gained hands-on experience with DevOps practices, CI/CD pipelines, automation, and Agile methodology (SAFe) as part of the Platform Operations Team.
- Collaborated in team settings, participated in code reviews, and solved problems.
- Developed a cloud cost analysis dashboard using data from Azure (via CLI), Cassandra, and Prometheus, visualized in Grafana for internal employee use.
- Utilized MELT (Metrics, Events, Logs, Traces) with Prometheus for metric scraping and alerting.
- Deployed a Jaeger instance for dependency analysis.
- Worked with technologies including Azure, Azure cli, Python, Docker, Kubernetes (K3s), GitHub, GitHub Actions, FastAPI, Flask, Cassandra DB, InfluxDB, Grafana, and Argo CD.
- Presented project progress in sprint reviews and contributed to PI planning and retrospectives.

Senior Receptionist

Absolute Hotel, Limerick - 2017 – December 2024

- Actively contributed to HOD (Head of Department) meetings, offering insights to improve operational workflows.
- Responding to guests in a friendly and efficient manner during check-in, checkout, over the phone & email.
- Managed group and individual reservations across leisure, corporate, and event categories, maintaining booking accuracy and customer satisfaction.
- Cross checking 3rd party commissions with 3rd party booking channels.
- Held various roles over the years: Receptionist, Night Duty Manager & Reservations Agent (Individuals, Corporate & Groups)