

# Robert Watts

**Email:** robertwatts100@gmail.com

**Location:** Based in the UK with right to work

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## Software Developer

Software engineer specialising in internal tooling, developer experience, and CI/CD systems. I develop high quality software in Python, Ruby, JavaScript and C#, build and maintain infrastructure, improve workflows and develop creative solutions to problems. I am comfortable working on multiple operating systems, multi-language codebases, and owning tooling end-to-end from design to release and support. I am reliable, approachable and trustworthy and others feel able to request my help.

## WORK EXPERIENCE

### Software Developer - ETAS LTD (Bosch Group)

2021 - 2025

- Enabled more frequent software releases and reduced quality assurance time by creating internal CLI and web UI tools (in Python, Ruby, JavaScript) for test infrastructure, requirements tracing and quality control workflow, deploying via executables and Docker.
- Delivered on-time consistent releases, while enhancing performance and functionality, by designing and developing Ruby and C# code for an industry-leading ECU Measurement & Calibration automotive software product.
- Managed and maintained internal CI/CD infrastructure, ensuring reliable operation and seamless integration of development processes.
- Significantly increased speed of CI/CD pipelines run on Windows and Linux by optimising Groovy, PowerShell and Bash scripting.
- Increased team productivity by leading and delivering a structured change management strategy for the migration of a project from Subversion to Git ensuring stakeholder communication, managing risks, training and rollout.
- Delivered clear presentations, facilitated discussions and provided hands on assistance for a range of technical topics for technical and non-technical user allowing for improved collaboration and a shared understanding of complex concepts.
- Acted as primary customer support contact to internal and external users, diagnosing and solving problems, while discussing new requirements through direct calls to ensure solutions aligned with customer needs.

### IT Assistant - Leap Architects

2019 – 2019

- Consulted with stakeholders to identify requirements, assess existing infrastructure, and recommend best software and hardware implementation solution.
- Installed and managed Papercut Print Server and rolled out Papercut client software across company PC's and supported staff during the transition to the new systems.
- Delivered cost and environmental savings by enabling printing to be billed directly to client accounts, reducing unnecessary print volumes and supporting more sustainable working practices.

### Admin Assistant - White Hill Surgery

2017 – 2017

- Enabled smooth business operation by making sure patient records are up to date and easily accessible.
- Quickly became proficient in the use of EMIS Consulting Patient Management System, to support colleagues.
- Supported efficient clinical operations by managing a key contact lists for daily use by Doctors and Nurses.

## EDUCATION

### University of York

2019 - 2023

- BEng Computer Science with a year in industry, First Class
- Investigated Charity Governance during Final Year Personal Project through an object-oriented charity model using PHP, Laravel, Typescript and React.js.
- Modules include Software Python, Software Java, Engineering, Human-Computer Interaction, Systems & Devices: Networking, Introduction to Cryptography, Information & Network Security, and "Legal Practice Technology & Computer Science".

### Lord Williams School

2012 – 2019

- A level's—Computer Science (A), Mathematics (A), Physics (C)
- GCSE's— Maths (6), English Language (5) English Literature (5) and 7 additional GCSE's (including science) grade A\* to C

## ADDITIONAL SKILLS AND INTERESTS

- I enjoy sound and lighting designing theatrical productions and events, through which I have organised events for 750+ people.
- In my free time I enjoy hill walking, playing reading, crime books, and piano.
- In 2025 I completed my Gold Duke of Edinburgh Award, having previously completed Bronze and Silver. As part of this I spent 4 years volunteering as a Cub Scout leader.

## REFERENCES

- References are available on request.