

Dominic Sheldon

Software Engineer

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Education

BSc	Lancaster University , Computer Science	Lancaster, UK
	- Expected First Class Honours – Currently averaging 71.2% across second-year modules - First-Year Minor in Mathematics – Linear Algebra, Probability, Statistics, and Calculus	Oct 2024 – June 2027

Projects

Prototype-Based Continual Learning for Earth Observation	Sept 2026 – May 2027
Third-year dissertation project analysing flood dynamics using satellite imagery	
- Researching prototype-based learning models in Python to test flood detection capabilities across streaming satellite imagery. - Developing data preprocessing pipelines to sequence remote sensing datasets and benchmark model accuracy against knowledge retention baselines.	
Software Engineering Group Project (SCC.200)	Jan 2026 – May 2026
Agile team project to develop a web application, utilising AI-assisted development	
- Acted as the primary technical lead, overseeing the development of a full-stack multi-modal transport planner with interactive route mapping, live transport service tracking, and containerised backend services (achieving a First Class grade of 19.8/24). - Implemented a CI/CD pipeline using GitHub Actions and Docker, enabling automated testing and deployment. - Leveraged Git workflows, Agile methodologies, and issue tracking to coordinate the timeline of contributions and version control whilst a lecturer acted as our primary stakeholder providing feedback. - Utilised GitHub Copilot as a module-recommended tool to rapidly prototype logic from design specifications, accelerate boilerplate generation, and focus on the core system architecture.	
Self-Hosted Linux & Cloud Infrastructure	July 2026 – present
Dedicated Linux server hosting containerised services	
- Administer a dedicated Linux server remotely via SSH and RustDesk through Tailscale, orchestrating multi-container environments with Docker Compose. - Engineer secure external ingress to services using Cloudflare Zero Trust Tunnels, integrating Uptime Kuma and Dozzle for container health, logs, and uptime telemetry.	

Experience

Pink Moon (Festival Extras Ltd) , General Crew	UK
- Managed logistics, glamping accommodation, on-the-ground and reception customer support at high-volume UK festivals (Reading, Rewind South, and Sandringham), including end-to-end setup and teardown of physical site infrastructure. - Troubleshoot real-time physical infrastructure and customer issues in highly demanding, fast-paced environments, and frequently worked shifts of up to 12 hours.	June 2025 – Sept 2025 4 months

Skills

Languages: Python (Proficient), Java, C, C++, SQL, HTML, CSS, JavaScript
Backend & Infrastructure: Docker, Linux, RESTful APIs, Cloudflare Tunnels
Tools: Git, CI/CD (GitHub Actions), Docker Compose