James Lapslie

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Portfolio https://lapslie.com

Personal Statement

Entrepreneurial Computer Science student and founder with robust industry experience in the agile development of scalable full-stack systems. Proven track record of technical delivery and leading cross-functional teams to engineer transformative technology. Passionate about using AI and automation, focusing on UX, to deliver impact at scale through innovative product development.

Education

University of Birmingham | Sept 2023 - Present

M.Sci. Computer Science | Sept 2023 - June 2027
(Full-Time since Sept 2023)

- On track for **First Class Degree** (1st year average of **73%,** 2nd year average of **76%**)

Experience

UK Government, Shropshire Council | Sept 2018 - Present

Senior IT Developer | Apr 2022 - Present
(Full-Time until Sept 2023, now Part-time)

- Oversaw the development of a £6 million CRM system with external technology contractors (PWC and C-Tech)
- Developed multiple customer facing Umbraco CMS sites such as for HR services and an employee intranet using by 5000+ employees
- Developed custom trained AI applications such as election AI parser and a directory data verification script to improve the accuracy of manual categorisation by 80%
- Engineered accessible digital platforms compliant with UK government WCAG and GDS standards

Dynamics CRM Developer | Feb 2020 - Apr 2022

- Built emergency Covid-19 government response systems including food delivery, test and trace, PPE distribution systems and dashboards
- Developed a local dynamics CRM system to be used by 320,000+ people to access council services

ICT Trainee | Sept 2018 - Feb 2020

- Provide technical support and personally set up and deployed +1000 devices
- Created low code applications using the PowerPlatform tech-stack

Projects

Morning Buddy — https://morningbuddy.co.uk

AI alarm clock start up, coded in swift for IOS with Twilio, ElevenLabs and DeepSeek models to generate realistic companions to wake users.

Uooble — https://github.com/uob-team-project/team41

University society search engine based on google search, built using the JHipster and SpringBoot tech stack.

Shropshire CRM — https://sdcp-prod.powerappsportals.com

£6 million Dynamics customer relationship management system for the citizens of Shropshire built using the PowerPlatform tech stack

Data Classifiers — https://github.com/Auerlian/DataClassifer

A Data classifier used to group unlabelled data coded in Java using GloVe embedding and ML models (Deeplearning4J and NDArray4J)

More Project and details at lapslie.com

Skills

Coding Languages	TypeScript, Java, Python, C#, SQL, Swift
Frameworks	Git, DevOps, Docker, Figma, PowerApps, Umbraco
AI	n8n, ElevenLabs, Hugging Face, Prompt Engineering LLMs
Best Practices	GDS, Agile, WCAG 2.2, ITIL 4, REST APIs, GDPR

Achievements

- Won a university election to become vice-president of debate and also won decorations at 2 national debate competitions
- Led a team of 8 students to win the Birmingham Project award in transformative technology, in collaboration with Siemens UK
- Led a team of 6 students to complete the Engineering Education Scheme, a 6 month engineering challenge with GKN Automotive
- Semi-finalist in the Intercampus Enterprise Competition 2025