

Joanna Jardine

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RELEVANT EXPERIENCE

Smarter Grid Solutions

Glasgow, Scotland

Graduate Apprentice Software Engineer

Oct 2022 – Present

- Built and delivered software solutions at a trusted renewable energy company, supporting the integration of clean energy into power grids
- Led the end-to-end development of a full-stack internal web application (DER Simulator) to replace legacy tooling
- Contributed to Product Integration across a variety of microservices for seamless customer application delivery
- Supported UI modernisation for an innovative Distributed Energy Resource Management Systems (DERMS) platform to improve performance and user experience
- Contributed to platform-wide modernisation initiatives across various applications to reduce technical debt
- Worked within several Agile Scrum and Kanban teams to deliver features and iterative improvements

PROJECTS AND CONTRIBUTIONS

DER Simulator | *Java, Spring, Next.js, React, DNP3*

Aug 2024 – Jul 2025

- Built a full-stack simulation tool using a Java Spring backend and Next.js frontend to support development and deployment testing within team workflows
- Collaborated with stakeholders to scope and refine user requirements
- Designed and implemented a clean, user-friendly interface from prototype to production
- Constructed the overall system architecture to support simulator operations and meet scalability needs
- Performed integration, regression and developer testing using Junit, Jest and Postman to validate simulator functionality and long-term reliability

Personal Website | *Next.js, MUI, TypeScript*

Jul 2023 – Present

- Developed and deployed a personal portfolio website on Vercel

MonkeyType | *TypeScript*

Jul 2023

- Contributed a new typing mode to the open-source typing platform, enhancing user engagement across 12M+ monthly visitors

EDUCATION

University of Glasgow

Glasgow, Scotland

BSc (Hons) Software Engineering (Graduate Apprenticeship)

Oct 2022 – Present

- Degree undertaken alongside full-time industry employment
- Expected graduation July 2026; on track for a First-class degree

VOLUNTARY EXPERIENCE

Glasgow University Students' Representative Council

Glasgow, Scotland

Class Representative

Academic Years 2023–24, 2024–25

- Served fellow Software Engineering students by collating feedback in 2nd and 3rd year
- Communicated with and obtained responses from lecturers on teaching quality and other raised matters

ACHIEVEMENTS

BCSWomen Lovelace Colloquium Finalist

Apr 2025

- *Issued by BCSWomen*

The Hopper Award for Excellence in Computing Science

Sept 2022

- *Issued by dressCode and J.P. Morgan*

TECHNICAL SKILLS

Languages: Java, Python, C#, JavaScript, HTML/CSS, TypeScript

Frameworks: React, Next.js, Spring, Spring Boot, JUnit, Mockito, Jest, Django

Tools and Practices: Git, Docker, Postman, Agile, Scrum, Kanban

Libraries: Material-UI, Bootstrap, NumPy, Matplotlib