

Luke Pomeroy

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🌐 [Portfolio](#)

📍 Glasgow

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I'm a highly motivated self-starter driven by a genuine passion for technology and creative problem solving. I get satisfaction from crafting and implementing technical solutions that address user needs in innovative and impactful ways. At the Museum of London I progressed from a systems administration role to being the Systems and Data Lead, responsible for the management and development of systems to document a collection of over 6 million items. I thrive on learning new languages, frameworks and technologies and solving complex challenges. In my free time I develop personal projects in order to hone my skills and keep up to date with emerging technologies. I also regularly participate in tech events in Glasgow, including Tech Meetup, JavaScript Meetup and Python Meetup.

Languages: JavaScript, TypeScript, Python, PHP, HTML/CSS, Bash, SQL, PL/SQL

Technologies: Git, Node, Express, React, Redux, Next.js, Django, Flask, Docker, Linux, AWS, ORMs

Experience

Software Developer *Freelance*

2023-present

- Providing software development consultancy services to the Museum of London.
- Development and maintenance of an open source cloud-based Collections Management System, for Glenside Hospital Museum in Bristol.

Software Developer *Museum of London*

2019-2023

- Designed a web-based system for issuing object lists to exhibition designers, replacing a manual process. This supported the development of the new London Museum exhibition galleries, featuring over 10,000 collection items.
- Created prototype web interfaces using Python and Django for exhibitions development, so that stakeholders could make informed technical decisions.
- Developed and implemented an image resizing API using Node, JavaScript and Express; allowing images to be embedded into other applications and resized on-the-fly.
- Pioneered the implementation of an iOS app to facilitate movement of collections via barcodes, and customised/extended accompanying PHP API, resulting in a greater increase in accuracy of data (from 70% accuracy to 99.5% accuracy).
- Developed an automated image processor integrated with an SQL database, introducing the ability to scale image ingest processes to thousands of images per week, replacing a time consuming manual process prone to errors.
- Implemented a dynamic statistics dashboard, offering stakeholders in multiple departments valuable insights into key workflow processes through advanced SQL queries.
- Ran workshops with stakeholders from multiple teams to define system requirements for complex workflows, bridging the gap between technical and non-technical teams.
- Led and mentored a team of three system administrators responsible for a help desk answering over 500 queries per month, and development of training courses for over 100 users.

- Systems Developer** *Museum of London* **2013-2019**
- Developed key systems in collaboration with stakeholders across multiple teams, to manage and document a collection of over 6 million collection items.
 - Responsible for Oracle Database and user account administration, writing advanced SQL queries to migrate/manipulate large datasets, and the creation of Crystal Reports.

- Collections Information Officer** *Science Museum* **2011-2013**
- Worked on two large scale projects to improve collections data for 1,800 objects decanted from the Ships Gallery, and 1,200 objects as part of a project to inventory controlled drug collections.

Training Courses and Certifications

- LinkedIn Learning Courses** **2022**
- Designing RESTful APIs
 - Docker for Developers
 - Version Control with Git
 - TypeScript OOP
 - Breaking a Monolith into Microservices

PRINCE2 Agile Foundation *The Knowledge Academy* **2020**

Introduction to Oracle SQL *Learning Tree International, London* **2013**

Introduction to Crystal Reports *Learning Tree International, London* **2013**

Projects

E-commerce Site **2024-present**
 Node | JavaScript | TypeScript | React | Next 14 | Tailwind | Zod | Prisma | PostgreSQL
 An e-commerce site integrated with print on demand APIs, to explore new App Router functionality introduced in version 13 of Next.js.

Culture Trail **2023-present**
 Node | Express | JavaScript | Sequelize | PostgreSQL ~ React | Redux ~ Capacitor
 A mobile app for exploring and creating your own self-guided cultural tours.

lukepomeroy.co.uk  [luke-pomeroy/portfolio](https://github.com/luke-pomeroy/portfolio) **2022-present**
 Python | Django | HTML5 | CSS | Oracle Cloud
 My portfolio website, built to showcase my development skills and projects.

Cactusapp  [luke-pomeroy/cactusapp](https://github.com/luke-pomeroy/cactusapp) **2021**
 Python | Django | HTML/CSS | Oracle Cloud
 Maintains a record of cacti seeds and sowings, with an API endpoint for environmental data readings.

Education

M.A. in Museum Studies (1:1) *University of Leicester* **2010**

B.A. Honours in Fine Art (2:1) *University of the West of England* **2006-2009**