

Luke Pomeroy

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About Me

I'm a highly motivated self-starter driven by a genuine passion for technology, and a knack for creative problem solving. With over a decade of experience in systems development within the museum sector, I discovered that my true calling is software engineering. I get satisfaction from crafting and implementing solutions that not only address end-user needs, but do so in innovative and impactful ways. I thrive on continually learning new languages, frameworks and technologies to solve complex challenges. In my free time I develop personal projects in order to hone my skills, and keep up to date on emerging technologies.

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

Technologies: Git, React, Redux, Node, Django, Flask, Docker, Linux, AWS, Oracle Cloud, PowerShell

Projects

Culture Trail Node Express Sequelize SQLite ~ React Redux ~ Capacitor A mobile app I'm currently developing, for providing self-guided city culture tours.	2023-present
lukepomeroy.co.uk 🔄 whyspark/portfolio Python Django HTML5 CSS Oracle Cloud My portfolio website, built to showcase my development skills and projects.	2022-present
Cactusapp 🔄 whyspark/cactusapp Python Django HTML/CSS Oracle Cloud I built this app to maintain a record of cacti seeds and sowings, and to provide an API endpoint for environmental data readings.	2021-present
ImageAPI 🔄 whyspark/imageapi Node express lovell/sharp A microservice for serving derivative images on-the-fly via a URL, with parameters for desired image size.	2020
Glenside Hospital Museum Collections Management System Collective Access AWS Oracle Cloud I configured, implemented and currently maintain a server hosting an instance of Collective Access.	2016-present

Training Courses and Certifications

LinkedIn Learning Courses <ul style="list-style-type: none">• Designing RESTful APIs• Docker for Developers• Version Control with Git• TypeScript OOP• Breaking a Monolith into Microservices	2022
PRINCE2 Agile Foundation <i>The Knowledge Academy</i>	2020
Introduction to Oracle SQL <i>Learning Tree International, London</i>	2013
Introduction to Crystal Reports <i>Learning Tree International, London</i>	2013

Experience

Freelance Software Developer *Glenside Hospital Museum, Bristol* **2006-present**

- Implemented and configured open source Collections Management System Collective Access, hosted on AWS/Oracle Cloud.

Documentation Manager *Museum of London* **2019-2023**

- Led and mentored a team of three Documentation Officers/Project Assistants, and provided coaching to enable professional growth and expand skills within the team.
- Designed a web-based system for issuing object lists, replacing manual processes for exhibition designers and introducing version control and tracking of changes to key data.
- Pioneered the implementation of barcoding of collections and stores, integrated with an iOS mobile app to improve accuracy and speed of location and movement control.
- Developed an automated image processor integrated with an Oracle Database, to automate the upload and processing of thousands of images, introducing dramatic efficiencies in staff time.
- Implemented a dynamic statistics dashboard offering stakeholders valuable insights through advanced SQL queries of the CMS database, enabling detailed oversight of workflows.
- Collaborated with stakeholders to map complex workflows and define system requirements, bridging the gap between technical and non-technical teams via strategic workshops.

Documentation Officer *Museum of London* **2013-2019**

- Responsible for Oracle Database and user account administration, including creation of Crystal Reports and writing advanced SQL queries to migrate/manipulate large datasets.
- Oversaw a help desk and training programme for over 100 system users.

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.

Education

Software Engineering Program *App Academy Open* **2023**

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**

Foundation Art Diploma *University of the West of England* **2005-2006**