

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 2023-present

Node | Express | Sequelize | SQLite ~ React | Redux ~ Capacitor

A mobile app I'm currently developing, for providing self-guided city culture tours.

lukepomeroy.co.uk 🌀 whyspark/portfolio 2022-present

Python | Django | HTML5 | CSS | Oracle Cloud

My portfolio website, built to showcase my development skills and projects.

Cactusapp 🌀 whyspark/cactusapp 2021-present

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.

ImageAPI 🌀 whyspark/imageapi 2020

Node | express | lovell/sharp

A microservice for serving derivative images on-the-fly via a URL, with parameters for desired image size.

Glenside Hospital Museum Collections Management System 2016-present

Collective Access | AWS | Oracle Cloud

I configured, implemented and currently maintain a server hosting an instance of Collective Access.

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

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 the West of England* **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**