Oliver Marks

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1 About

I am a highly skilled developer, who has leveraged multiple language and frameworks. I am an experienced Linux and open source user with knowledge on servers, containers and cloud infrastructure. I enjoy learning new skill's & a good challenge.

2 Key Skills

- Experience of working with and leading teams to deliver software, including planning, mentoring, running sprints & liaising with staff around requirements.
- I am knowledgeable in Clojure(Script), Python, PHP, HTML, JavaScript, SQL, XML, CSS, AJAX, bash and much more.
- Experience in these data stores PostgreSQL, MySQL, Oracle, Redis & Datalog.
- I worked with many Frameworks & libraries like: Django, Flask, kivy, PEAR, Zend and YII.
- Knowledgeable in scripting & cli used in both maintaining, diagnosing & creating server and cloud infrastructure.
- I can develop desktop and mobile applications and have used various third part librarys out side of web development like the following: GTK, OpenGL, SVG Images, QT/QML, and Site Scraping.

3 Experience

3.1 Senior Developer Juniper Education: April 2024 - December 2025

Successfully assumed ownership of a complex, legacy platform serving 4,000+ school websites and critical associated services (messaging, parent booking, social applications, etc.). Operated as the sole developer supporting the entire ecosystem with no formal handover.

Managed and maintained multiple large datasets, with the largest being a 600GB PostgreSQL database underpinning the main application.

Drove critical infrastructure modernization, advising on and executing the migration from a managed, jail-based system to a scalable AWS/Azure/Kubernetes architecture.

Acted as the trusted technical liaison across Project, Support, and Operations teams, delivering solutions, resolving complex issues, and guiding key technical decisions for platform stability.

3.2 Lead Developer Compare and Recycle: November 2017 - January 2024

I managed a team of developers, providing mentorship and support, planing sprints and running meetings with a mixed onsite and offsite team.

As a valued member of the development team, I played a key role in the creation and maintenance of our main products. I facilitated the integration of external data feeds by designing and implementing effective APIs. Furthermore, I contributed to the development of an intuitive admin system, which supports our merchants' management and troubleshooting functionalities.

I am experienced in managing cloud infrastructure, with a focus on Kubernetes and, more recently, Cloud Run on GCP. I have worked closely with Python, Clojure(Script), and Javascript, providing support, planning work for sprints, collaborating with staff to determine requirements, and overseeing the process of reviewing, merging, and releasing software.

3.3 PHP / Python Developer influential software: May 2015 - November 2017

Working in a team developing php & python working mainly on a stock management system for Taylor & Francis, involved in sprints stand ups and planning tickets for sprints, mentoring junior developers.

I Worked with php python and oracle databases PL/SQL actively looked into bugs and resolved them, working with internal infrastructure like jenkins CI.

3.4 Python Developer at Tangent Snowball: June 2013 - May 2015

I develop websites for a large client which are used daily in their business. My daily activities include liaising with project management, fixing bugs, adding features, testing, debugging and code reviewing.

I am also involved in meetings with other developers to plan new work, find solutions to new challenges and work out appropriate time scales. I also debug issues which occurr on our live infrastructure and resolve them in a timely manner.

I used Django and Flask with various 3rd party libraries, MySQL and postgres for the database backends. I also use redis, sentry, newrelic, birt and docker with our projects.

3.5 PHP Developer at Gforces: September 2010 - June 2013

I developed frontend and backend code using PHP for automotive websites. I integrated with external third-party services. I updated and debugged issues on live sites and added new features. I scraped data from existing sites and wrote time-saving utilities, usually using Python. I advised on solutions and ways to create new features and implemented them.

I used Zend, PEAR and YII frameworks with php, Jquery, Prototype and Javascript. I used MySQL scripts to query data from the database. I liaised with other departments to resolve issues, better understand requirements and help with their understanding of technical issues.

3.6 PHP Web Developer at TME Solutions: April 2009 − September 2010

I created standard compliant websites implementing designs created by the design team, integrating the designs into the company's CMS system and testing across multiple platforms. I used to trouble shoot misbehaving sites and servers.

I conversed with clients regarding their websites to help solve problems and gave advice on implementing new features and the options available. I developed some python applications for automating various processes on the servers.

3.7 IT Developer at HoMedics Group (Previously Salter): July 2007 − April 2009

I implemented various software projects and supported the solutions. The projects ranged from reverse engineering Salter MiBody scales software and implementing interfaces to the product databases.

I also wrote a web based application to pack boxes into a shipping container efficiently, saving on shipping costs. It could generate detailed images showing the packing order and where boxes should be placed within the container.

3.8 Network Manager at The Wildernesse School: September 2005 - July 2007

I managed a bank of 250 computers and fixed a variety of technical problems, to do with both software and hardware, including subsidiary equipment.

I managed installation, new servers and computer systems, aiming to improve performance and save costs.

4 Education / Qualifications

- 18 Years experience in industry
- 2001-2004 BSc. (Hons) in Software Engineering at Staffordshire University
- 1999-2001 HND in Software Engineering at Staffordshire University

References available upon request.

5 Activities

- I am enthusiastic about open source technologies. You can find many of my current & past projects on gitlab & github I also use private hosting for some projects `https://gitlab.com/olymk2/` `https://github.com/olymk2`.
- Further projects include a 3d to 2d model slicer, which creates 2d segments from a 3d model that can be fed to a 3d printer. I have also developed my own python based templating language and website validation libraries.

5.1 Personal Interests

I Enjoy long walks, currently interested in ecology and permaculture design, watching films and socialising with friends. I also enjoy learning about technology, science and engaging in open source projects.