

OSCAR HARDY

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🌐 <https://github.com/Oracso>

ANALYTICAL, ADAPTABLE, APPROACHABLE

I am an engaged and proficient individual with an enthusiasm for self-development and successful outcomes. As an accomplished autodidact with 3 distinct careers, I can leverage a breadth of experience and professional competence to achieve business objectives. With currently 4+ years of programming experience, I am now pursuing a long-term career in data and technology. I hope my experience aligns with your requirements and that I'll be able to make a unique contribution to your organisation.

Work & Relevant Experience

Software Engineer

Freelance

Jan 2021 - Present

- Designed and developed multiple projects using Swift and SwiftUI to build complex user interfaces.
- Proficient in writing optimised and maintainable Python scripts for data processing, transformation, and automation, ensuring efficient data workflows.
- Effectively incorporated data structures and concurrency, in addition to a solid understanding of OOP principles, methodologies, design principles, patterns, and architectures to develop fully scalable and maintainable code.
- Managed the development lifecycle of designs on multiple targets (MacOS, iOS, WatchOS)
- Capable using a range of Apple's frameworks (CoreData, CloudKit, Combine, Core Location, Swift Charts, Notification Centre, WidgetKit, Foundation, UIKit, SwiftUI & more)
- Proficient in writing unit/integration tests, as well as troubleshooting and debugging (XCTest) to produce fully testable code.
- Effectively implemented version control using Git/GitHub to ensure maintainable code.
- Working knowledge of MVVM, MVP, VIPER and SOLID architecture/programming principles.
- Proficient in utilising RESTful APIs for seamless integration and data exchange between client and server in Xcode projects.
- Strong understanding of Agile methodologies, such as Scrum, supported by AgilePM Foundation and Practitioner qualifications. Experienced in collaborating within Agile teams, contributing to sprint planning, and delivering iterative solutions.
- Experience working with relational database systems, designing normalised schemas, and writing optimised SQL queries for data retrieval and transformation.
- Familiar with cloud-based data management solutions, including Firebase for real-time database and Firestore for scalable NoSQL data storage, ensuring seamless data synchronisation across applications.

Learning Consultant

Department of Work & Pensions (DWP)

May 2023 - Present

- Managed large datasets and databases of sensitive data, whilst maintaining GDPR principles.
- Led the successful design, delivery, and maintenance of learning materials for multiple internal teams within strict deadlines.
- Trained and up-skilled a variety of stakeholders through presentations, effectively disseminating resources and learning techniques across the organisation.
- Investigated and analysed learning needs across the directorate, applying Business Analysis practices to assess requirements, identify gaps, and recommend suitable learning initiatives.

Service Innovation Lead

Department of Work & Pensions (DWP)

Feb 2022 – Jul 2022

- Conducted in-depth analysis of recurring technical and operational issues across West London & Cornwall job centres & service centres, supporting almost 2,000 staff. Used data insights and business analysis techniques to identify trends and recommend strategic improvements.
- Investigated complex problems by engaging with end users and technical teams, visualising data to articulate root causes, and presenting findings to senior management for informed decision-making.
- Collated and presented data with business strategy & senior management teams of complex issues to enable coordination with and education for the wider team.
- Built and maintained strong relationships with stakeholders across job centres, acting as a key liaison to ensure technical solutions met business needs.

Work & Relevant Experience

Work Coach

Department of Work & Pensions (DWP)

Dec 2022 - May 2023 / Feb 2021 - Feb 2022

- Mentored and coached individuals utilising my in-depth working knowledge of the Universal Credit system to assist with employment and development opportunities.
- Fostered and inspired talented individuals to pursue equal opportunities, for example Generation UK, and various other accessible coding bootcamps and training courses.
- Developed advanced communication techniques in high-stakes discussions to ensure the best outcome for my clients in an empathetic and patient manner.

Rock Climbing Centre Manager

Mt. Palace

Jul 2018 – Sep 2020

- Developed and implemented operating procedures, risk assessments, and policies, ensuring alignment with legal compliance and industry best practices through consultation with external experts.
- Led cross-functional collaboration with technical specialists, senior stakeholders, and front-line staff to design and improve operational processes, balancing multiple priorities in a fast-paced environment.
- Investigated and analysed safety and operational challenges, using data-driven insights to identify trends, mitigate risks, and recommend improvements that enhanced efficiency and compliance.
- Facilitated Agile working practices, integrating iterative improvements into daily operations and ensuring policies remained adaptable to evolving business needs.
- Coached and mentored staff, fostering professional development and ensuring team members had the necessary skills and knowledge to contribute effectively to business objectives.
- Interviewed, trained, and managed a team of 5+ staff, delegating tasks efficiently and ensuring clear communication to maintain smooth day-to-day operations.
- Built and maintained strong stakeholder relationships, engaging with investors, management, and external regulators to align strategic goals with operational requirements.

Rock Climbing Instructor

Freelance

Jun 2017 – Present

- Planned and led indoor and outdoor rock climbing coaching sessions for all ages and levels, while ensuring group safety and management using my training and expertise in the field.
- Awarded 15+ qualifications & CPD, including 1 for which I was one of the youngest to achieve.

Scientific Ethics Committee Member Volunteer

Health Research Authority (NHS)

Oct 2022 – Present

- Analysed and investigated scientific study proposals involving human participants to identify ethical queries requiring further appraisal.
- Collaborated with and presented work to committee members and research representatives to provide recommendations and a fair evaluation to subsequently grant approval or denial.

Education

- **Access to Higher Education Course** (Biochemistry) - Distinction **2023**
- **3 A Levels** (Mathematics, Economics & Philosophy) & **1 AS Level** (Physics) **2016 - 2017**
- **12 GCCEs** (Mathematics & English) **2015**

Technical Skills

Advanced

- Swift
- Python
- Jira
- Microsoft 365 Apps

Intermediate

- Git
- SQL
- JSON
- PineScript

Basic

- HTML
- CSS
- TypeScript
- XML

Qualifications

- AgilePM - Foundation
- AgilePM - Practitioner