

# Philip Wild

Consultant Software Developer – Almond Geoscience Limited  
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## PROFILE

A principal software developer with experience across a range of technologies, seeking consultancy projects for both short- and long-term contracts. I am available to work at a client's site within the Edinburgh area or remotely from my own office. A theme running through my portfolio has been to deliver working solutions that enable software to be used by a greater userbase, giving the client significant return on their investment.

## SKILLS

C/C++	Java
Python	MySQL
Data Science	PHP
AWS	Qt

## EMPLOYMENT DETAILS

### Consultant Software Developer, Almond Geoscience Limited, October 2013 – date.

Follows are highlights of recent consultancy projects that I have completed as a contractor through my limited company. Some projects were completed part-time in parallel with others:

- Feb-June 2020 – Took a start-up company's machine learning algorithms, originally within a Jupyter notebook, and enabled the company to gain return from sales by giving the software a Python GUI.
- Jan-March 2020 – Wrote C++ code to reformat text-based navigation data and ingest positions into a MySQL database. Code then incorporated into the client's software package.
- 2015-2020 – Commissioned to design, write, and maintain a Java based tape reading and data analysis package for Moveout Data, without which the company would not be able to facilitate the reading and processing requirements of their customers. Saved the company's resources by using AWS Lambdas to automatically QC data files loaded to the cloud rather than using a manual process.
- 2018-2019 – An Edinburgh engineering company trusted me to successfully re-engineer their existing data analytics package using C++ and Qt, making it accessible for all their staff.
- 2013-2019 – London based client provided me with up to 12 days work per month to code up machine learning, data science and modelling algorithms using Python to improve understanding of oil properties in North Sea reservoirs. Wrote methods to run the code from their analysis package (Java), with data flowing both ways in/out to their MySQL database. Position finished when the company was successfully sold.

**Product Manager and Applications Consultant, Ikon Science Limited, Edinburgh, October 2006 – September 2013.**

2011-2013 – Delivered the company’s flagship software package to a global market. As product manager working in an Agile team, I sat between the client and the developers, ensuring that the backlog of tasks was clearly explained and up to date, that the developers knew what was expected of them and that the clients’ expectations were exceeded.

2006-2011 – Developing and writing new mathematical data analysis applications that were incorporated in the company’s commercial software suite. Mainly coding in Java, with Swing for the GUI, XML for storing data parameters and MySQL/PHP for database requirements.

**Consultant, Anitec Limited, Edinburgh, April 2001 - March 2006.**

I formed this consultancy in 2001 with Prof Colin MacBeth of Heriot Watt University, to deliver software solutions and services for oil and gas exploration data processing and interpretation. My role was technical director and to write software in both Java and C++ that was used in house for the consultancy. The company was sold to Ikon Science at the end of 2006, who then employed me as a senior developer and product manager. The consultancy had three main projects:

- A three-year full-time collaboration with the French service company, CGG, to write a Java based software package for processing and interpreting ocean bottom seismic data.
- A six-month full-time consultancy with Tadpole Technology on developing an ESRI based GIS package to manage data for the Ordnance Survey, with a focus on writing C# data verification modules.
- Shorter term data analysis solutions for Ikon Science and Parallel Geoscience (C/C++).

**Project Manager, Concept Systems, August 1998 - April 2001.**

Led a newly formed group writing oil exploration software. Successfully delivered a Linux based C++ product to the Italian oil company ENI to enable them to reduce costs of acquiring land seismic data while increasing data quality. Worked with a Heriot Watt university industry sponsored consortium to overcome problems they were having on 3D data display and on a pioneering project to merge historical and recently acquired data sets with image processing algorithms that I wrote in C.

**QUALIFICATIONS**

- PhD, Image Processing, Leeds University
- BSc, Physics (with computing options), Manchester University
- Diploma in Integrated Counselling
- Professional Certificate in Management
- Sun Certified Java Developer

**INTERESTS**

- Volunteer counsellor at Wellness Centre, Balerno
- Secretary of High School Parent Council
- Supporting education of son during current Covid-19 lock down
- Park runner, cyclist, and regular gym member
- Spanish – level B2, working towards C1
- English – native speaker