

Curriculum Vitae

Personal Information

Name Jonathan David Amery
Telephone +44 7866 777503
E-Mail jdamery@ysolde.ucam.org
Nationality British

I am a highly experienced Unix software team lead, with extensive knowledge of high volume data management and processing applications, and systems administration experience.

Employment

November 1999–Present Petrologic / Landmark EAME / Halliburton.

Initially employed as a Software Engineer by Petrologic, a small oil data services company, my role has changed and evolved over time and with the acquisition of Petrologic by Landmark Halliburton in 2002. Since 2007 this has been a home-working position.

Software Engineering

10 years of maintenance coding on Petrologic's utility suite and 4 years on Landmark's Data Management Utility suite. Major projects included implementation of a RODE de-encapsulation for an international MDS development project for Statoil, adaptation of Petrologic's visualisation tools as part of the TeamWorkspace web collaboration platform, and porting of the graphical utilities from the Xt toolkit to the Qt toolkit.

Systems Administration

Administering a mixed office environment of about 16 machines running Windows, Linux, Unix, and Mac OS; and following the office closure in 2006 maintaining my own home-working environment and providing Linux and Unix advice and administration to other parts of the group.

Data Management

Domain expert on data recovery and data format issues for the Petrologic team for bespoke data services, and later working as part of Landmark's SDS team on high-volume seismic data management in the Petrobank CDS.

Positions of Responsibility

Development Lead for the Petrologic utility suite

In 2002 I became development lead for Petrologic's suite of utilities which were mostly used in-house for data management and data recovery. Between 2002 and 2010 the team varied in size with a maximum of four members, two offsite, reducing down to just myself as the software reached end of life in 2010.

Responsibilities of the role included the entire software lifecycle: requirement identification in conjunction with the in-house data management consultants and external customers, specification writing, implementation, code-review, organising testing and quality control, and fixing bugs.

Data Recovery Expert

As a result of my experience with the data specifications as a software engineer I also became an expert in identifying and producing bespoke correction utilities for complex issues in data when the team's data management consultants were unable to proceed.

Education and Qualifications

Degree	MA in Mathematics from Cambridge University.
A-level	Grade A in Maths, Further Maths, Physics, Chemistry, and General Studies.
GCSE	Two A*, six A, and two B.

Technical Skills and Experience

Extensive experience of programming in the UNIX environment; in C, Perl, bash, and sed.
15 years of familiarity with Unix and Linux as both user and systems administrator.
12 years of experience with Debian GNU/Linux, including details of the Debian packaging system and contributing bugfixes back to the project.
Good knowledge of HTML and Javascript.
Working knowledge of other programming languages, particularly Java, C++, and Python.
Previous extensive experience of assembly language programming for ARM, 65C02, and Z80.
Working knowledge of standard office software.
5 years of experience telecommuting.
Extensive knowledge of standard oil industry data formats and a good background in oil survey practices.
Reported bugs in and submitted patches to various free software projects, such as PuTTY, mozilla, and Debian (notably ssh, trn, nmh, X).

Hobbies

Outside of work I read a lot of science fiction and fantasy books, play computer games, do some tabletop roleplaying, and watch the occasional film. I also do a certain amount of recreational computing, including running my own mail and news server from home.

Cambridge, February 10, 2012