

ADAM LOWE

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Career Summary

Vice President, Senior Lead Software Engineer

JP Morgan, Bournemouth and Glasgow

March 2015 - Present

Technical lead and design authority for development of post trade regulatory reporting systems and reports.

- Presenting solutions to management and businesses, contributing to discussions of architectural direction.
- Mentoring junior engineers, leading teams of software engineers.
- Improving development practices - clean coding, testing, automation.
- Monitoring reports in production - integrating statistical analysis of reporting metrics into alerting.

Java (Maven, Gradle, Jenkins, JUnit, pitest, Mockito, Sonar); git; Oracle Exadata; Kafka, Avro.

Senior Software Engineer

SmartFocus UK, Bournemouth

September 2013 - March 2015

Designing, implementing and integrating e-mail, web and mobile personalisation software.

- Big data solutions utilising HBase and ElasticSearch in AWS
- Technical lead on implementations of new personalisation algorithms
- Integration with web interface and mobile UIs and clients (JSON API spec and delivery)

Agile (scrum); Java (Maven, Jenkins, JUnit); git; DevOps; AWS (EC2 and S3), HBase, ElasticSearch.

Senior Software Engineer

Cloudsoft Corporation, Edinburgh

April 2011- August 2013

Designing and implementing cloud management systems.

- Integration with public and private clouds - mostly Java integrations with RESTful APIs
- Improved continuous integration by introducing Maven and Jenkins.
- JMS and AMQP messaging using ActiveMQ and RabbitMQ, respectively.

Agile (scrum); Java (Maven, Ant, Jenkins, TestNG); git; DevOps; Groovy; OSS (primarily Apache jclouds); AWS (EC2 and S3), OpenStack (Nova, Swift, Keystone and Glance), CloudStack, Terremark and VMware APIs.

Senior Software Engineer

Yell, Edinburgh

February 2007 - March 2011

Member of architecture group for new enterprise system for advert management world-wide; technical project lead for some components of the system.

Technical project lead for a number of projects altering Yell's bespoke pre-press system. Training and mentoring local and off-shore engineers to facilitate ongoing maintenance.

Agile (scrum); C++ (MFC); Java (Spring, Ant, Maven, JUnit); Perl; Oracle; PostgreSQL; Web Services (CXF, Axis); J2EE (JBoss AS, ActiveMQ); ESB (Mule, JBPM).

Bioinformatics Programmer

European Bioinformatics Institute, Cambridge

January 2002 - January 2005

Lead architect and engineer for a new indexing and data warehousing software: Low-level C++ file-based indexing system for querying the various datasets hosted at the EBI.

Developed network services in Java and Perl for deployment in Unix environments. Mentoring other engineers, as well as scientists, undertaking programming tasks.

Attended meetings and workshops across the EU to facilitate software engineering projects. C++ (STL, Unix); Java; Perl; Oracle; MySQL; LSF; Web Services; XML-RPC.

Senior Database Engineer

National Center for Biotechnology Information, NIH, MD, USA

June 2000 - August 2001

Systems analysis of the NCBI's genome processing pipeline.

Lead software engineer for a number of software sub-systems required for the initial annotation of the human genome. Automated retrieval of entire genomes from GenBank to import into AceDB.

Integrated AceDB genome annotation results into the NCBI's Sybase data-warehouses. Built a new web front end to AceDB to provide alternate access to the results: (<http://aceview.org>) C/C++; Perl; Solaris (sh/csh).

Genetic Data Analyst/Programmer

Cancer Research UK, John Radcliffe Hospital, Oxford

October 1998 - June 2000

Independent development of statistical analysis software required by the laboratory: mostly Java applications with RDBMS integration (J2EE and Oracle).

Java (J2EE); Fortran; Oracle; PostgreSQL; Solaris administration.

IT Support Officer

University of Oxford, John Radcliffe Hospital, Oxford

November 1997 - October 1998

General computing support, systems administration and systems programming for 300 staff.

IT Supervisor

EMPICS Sports Photo Agency, Nottingham

January 1997 - September 1997

Responsible for the maintenance of the company's computers and networks.

Systems Administrator

Esparto Digital Limited, Derby

June 1996 - December 1996

Unix (Solaris) administration, network support for PCs, Macs and Sun workstations.

Computer Technician

BDO Stoy Hayward, Nottingham

March 1996 - June 1996

Provided technical support and maintenance of database applications written in dBASE.

Programmer

Experian, Nottingham (formerly CCN Group)

September 1995 - January 1996

PL/1 programming for the Mail Order department.

Education

MSc e-Science (now MSc Distributed Scientific Computing)

The University of Edinburgh

September 2005 - November 2006

BSc Computer Science (2.2)

The University of Nottingham

October 1992 - July 1995

A-levels: Biology (B), Mathematics (A) and Physics (B)

Ferndown Upper School

1987-1992