

KATHERINE J. PREBBLE, B.Sc. (Hons)

Summary

Katherine is an accomplished Solutions Architect with strong skills in Oracle Spatial, mapping data and GIS technologies.

Katherine has extensive experience of working on proposals, visions, strategies, architectures, designs and development of Oracle Spatial databases and GIS solutions, and has worked for key players in the GIS world, including ESRI UK, the leading GIS solution provider in the UK and Ordnance Survey, the National Mapping Agency of Great Britain.

Katherine has strong communication skills and experience of working on customer-facing & internal projects providing architectural leadership. She is well-qualified, logical, reliable and organised, with high standards and enthusiasm for tackling problems & taking on challenges.

Key Skills

- Defining complex technical spatial architectures (11 yrs)
- Defining GI Strategies and Roadmaps (7 yrs)
- Service oriented architecture (SOA) principles (2 years)
- Oracle RDBMS 7, 8i, 9i, 10g, 11g (17 yrs)
- Oracle Spatial 8i, 9i, 10g, 11g (11 yrs)
- Designing spatial (11 yrs) and non-spatial (17 yrs) databases
- PL/SQL, SQL and SQL*Loader ETL development (17 yrs)
- OS MasterMap (6 yrs) and NAVTEQ (1 yr) data expertise, storage design, development
- GIS integration - Autodesk Map 5 (6 yrs), ESRI ArcGIS 8/9 (6 yrs) & MapInfo 7.5 (3 yrs)
- Team leading using Waterfall and Agile SCRUM methodologies (13 yrs)

Career History

March 2009 –
present

Programme Architect, Ordnance Survey (contract)

I worked within a team of 30, to develop a multi-resolution data solution:

- Developed and owned the programme architecture using SOA principles
- Wrote the Vision and Scope for the programme
- Wrote system architecture documents at the programme and project levels
- Presented the architecture to technical, business personnel and suppliers
- Key technical lead for the programme manager
- Researched and wrote technical options for software components
- Owned the technical response for the generalisation software procurement
- Managed the technical issues and risks at the programme and project levels
- Led a team of 4 architects
- Provided expertise in Oracle Spatial and as a DBA to the team
- Worked following the Agile SCRUM methodology

Nov 2008 –
March 2009

Oracle Spatial Developer/DBA, Atkins Geospatial (contract)

I worked within a team of 7, to develop a European environmental solution:

- Provided expertise in Oracle Spatial and as a DBA to the rest of the team
- Wrote complex PL/SQL procedures processing spatial data
- Integrated Oracle Spatial data with ArcGIS
- Developed procedures for loading raster data into Oracle Spatial GeoRaster
- Deployed parts of the solution on the client's hardware

- Jan 2008 –
Oct 2008 **Spatial Data Architect, ESRI UK** (contract)
I worked within a team of 10, to develop a new Logistics solution:
- Designed a generic, flexible spatial database model
 - Wrote complex generalisation PL/SQL procedures on NAVTEQ data
 - Wrote PL/SQL, SQL, SQL*Loader, batch scripts for ETL & database creation
 - Administered multiple databases, including the largest one at 800Gb
 - Led the Database team
 - Implemented Agile SCRUM processes and was the Team's SCRUM Master
 - Key contact at the ESRI EMEA Conference where the solution was presented
- Jun 2007 –
Dec 2007 **Oracle Spatial Developer/DBA, ESRI UK** (contract)
I worked within a team of 20, to develop a GIS solution for a power company:
- Developed PL/SQL, SQL and batch scripts for the Oracle database creation
 - Administered the database's Linux operating system
 - Created, upgraded, tuned and monitored the databases within Virtual Machines
 - Wrote PL/SQL data migration scripts
 - Integrated SDE with the database and wrote administration scripts
 - Deployed the database at the client's site
- Nov 2004 –
Apr 2006 **Spatial Data Architect, BT**
I worked on projects in small, medium and large teams for utilities and councils:
- Defined spatial architectures, visions, strategies and transformation maps
 - Designed, developed, demonstrated solutions on OS MasterMap, Oracle Spatial
 - Presented at Oracle Spatial User Group/SIGs
 - Setup vendor relationships with Oracle UK, ESRI US and OS
- Mar 2003 –
Oct 2004 **Technical Architect, Ordnance Survey**
I worked on a large development programme for OS MasterMap data capture:
- Architected, designed, developed, tuned, administered Oracle Spatial databases
 - Led the Design Authority, Databases Team and Oracle 10g Beta testing
 - Set up relationships with Oracle UK/US, ESRI UK/US and Tadpole-Cartesia
- Oct 2000 –
Oct 2002 **Senior Principal Consultant, Autodesk**
Architected, designed & developed Oracle Spatial databases for clients.
- Jun 1998 –
Oct 2000 **Senior Consultant, Computer Sciences Corporation**
Developed Oracle/SQL Server databases, led and mentored teams for clients.
- Oct 1994 –
Jun 1998 **Senior Technical Consultant, Origin UK Services Ltd**
Designed & developed Oracle databases for clients.

Education and Professional Qualifications

2006	Accredited Ordnance Survey Data Consultant	Ordnance Survey
1991-1994	1st Class B.Sc. (Hons) Mathematics & Computing	University of Bath
1984-1991	4 A-Levels; 1 AS-Level; 9 GCSEs	Tonbridge Grammar School for Girls

Interests

- Sailing, including a 'Round Britain' in 2006
- Canoeing and kayaking
- Playing the saxophone and flute
- Running, including the London Marathon 2009