

GRAEME HERBERT

Date of Birth: 28/03/59 <http://www.redbaobab.com/>
Nationality: British email: info@redbaobab.com
Location: Madrid, Spain [Graeme Herbert on LinkedIn](#)
X: [@red_baobab](#)

A GIS professional with over 30 years experience, mainly in the fields of telecommunications and utilities. My project experience includes GIS system implementation for large scale data capture and migration projects, data model design, application analysis and development, training and technical support. I have worked on projects for network design and for the capture of as-built networks imported from other data formats. The majority of my experience has been with GE Smallworld GIS, but I have also worked with other GIS systems and have experience with open source geospatial solutions and with data visualization tools.

Since 2001 I have worked as an independent GIS consultant on major projects in Europe, the USA and South America. In the case of Altice (New York) I acted as technical lead for a successful data conversion contract involving the implementation of a distributed GIS database for managing offshore data entry from source CAD data. I also designed and implemented productivity tools to support this process. For Red Eléctrica in Spain I carried out the analysis and specification process for a suite of applications supporting the management of a GIS database for a nationwide fibre network. I also led the team which subsequently developed these applications. I have worked on several occasions in Deutsche Telekom, a large and complex GIS project.

PROFESSIONAL HISTORY

2001 - 2024	Independent GIS Consultant With my own geospatial services company I have worked on a variety of projects; for Altice in the USA, Deutsche Telekom and Callahan Associates in Germany, Telmex in Mexico, Red Eléctrica, Naturgy and ONO in Spain, Enexis in the Netherlands, Telefónica Manquehue in Chile and product development for GE in the United Kingdom.
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<p>1999 - 2001</p>	<p>Regional GIS Manager – CH2M HILL Parque Empresarial de San Fernando, San Fernando de Henares, Madrid, Spain</p> <p>My work consisted of the delivery of new projects for clients in the telecommunications sector, as well as providing support for projects already in progress. I worked on implementation of GIS projects for clients such as Global Crossing, Lucent, and KNRW. In the case of Global Crossing I had responsibility from the beginning of the project for implementation of a Pan-European GIS database.</p>
<p>1998-1999</p>	<p>GIS Consultant - NIPSA Avda Brasil 6, Madrid, Spain</p> <p>Consultant in CH2M HILL. I was working on support for the design process in the cable television project implemented for ONO. Responsible for the maintenance of the GIS installation (Smallworld/ Model.It), database administration and applications development to improve design performance.</p>
<p>1997-1998</p>	<p>GIS Consultant - CIMSA IG AIE, Paseo La Habana 26-2, Madrid, Spain</p> <p>I worked on the LOC project for the National Land Agency of Indonesia. My work consisted of applications development and technical support for the project implementation in Indonesia. The GIS system used was Smallworld.</p>

<p>1996-1997</p>	<p>Head of Technical Support for Europe and Middle East Region - SHL Vision Solutions, Camberley, United Kingdom.</p> <p>My work consisted of managing the resolution of problems and client queries concerning the GIS software marketed by the company. I was also involved in advising on configuration and installation issues with the system.</p>
<p>1994-95</p>	<p>Lecturer in Artificial Intelligence and Geographic Information Systems - Xian Statistical College, Xian, China.</p> <p>As a lecturer in China I prepared and delivered courses on GIS and Artificial Intelligence and Expert Systems. The courses were delivered at undergraduate and postgraduate level.</p>
<p>1992-94</p>	<p>Applications development and technical support for Smallworld GIS users. - Smallworld Systems, Cambridge, United Kingdom</p> <p>My main task was on-site technical support for clients, and customisation of the software according to user requirements. Most clients were major utility companies such as SOUTHERN ELECTRICITY, SEVERN-TRENT WATER, and GAS NATURAL</p>
<p>1990-92</p>	<p>Research Assistant on a project concerning the application of Artificial Intelligence techniques to GIS - Birkbeck College, London University.</p> <p>The project involved research on the automation of generalization and editing functionality for digital maps. In addition to software development, I wrote papers for scientific publication and presented research results at professional conferences.</p>

TECHNICAL EXPERIENCE

Project skills	GIS requirements analysis and implementation, management of data entry, data analysis and modeling for networks, data migration, applications development, data visualization.
Programming environments	Smallworld Magik, Python, Visual Basic, Vision Geographic Macro Language, Prolog++, HTML, PHP
Operating systems	Unix, Linux, Windows, Mac OS X.
GIS software	GE Smallworld (including PNI and LNI), Vision*, QGIS, PostGIS, Laser Scan.

EDUCATION

1977-81	BA Honours Degree in Social Administration - Portsmouth University, United Kingdom.
1988-89	Post Graduate Diploma in Computing and Artificial Intelligence – South Bank University, London, United Kingdom. The course included: Programming and Software Development using PROLOG, LISP y POP-11, Information Systems, Expert Systems and Artificial Intelligence.