



Executive Summary

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Company: [Internet Technologies Ltd](#)
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Education:

University of Lagos, Akoka, Lagos
B.Sc. Political Science

Federal Government College, Warri
GCE O Levels
GCE A Levels

University of Luton, Park Square, Luton, Bedfordshire
B.Sc. Computer Science

Dunstable College, The Mall, Dunstable, Bedfordshire
ABAC Computing Studies

Academic Qualifications:

B.Sc. Hons. Computer Science (2:ii) – Luton

ABAC – Association for Business and Administrative Computing – Diploma (Pass)

B.Sc. Hons. Political Science (2:i) – Unilag

Other Qualifications:

CNA - Novell Certified Network Administrator (April 1996)

Employment History:

eCommerce Consultant

Internet Technologies Ltd
Ilorin, Kwara State, Nigeria

Systems and Application design, the core responsibility here was the quickest possible delivery of the technical specifications, designs, and additional assistance required by this young technology company to complete their project. The project, EstatesGeneral, delivered the software for implementing an Online Estates Agency for the Nigerian market. The site, which will be found at the URL www.estatesgeneral.com went LIVE at the end of February. Prevalent among the skills used on this project, were Design of software systems for eBusiness, and integration of components to deliver a consistent and reliable service in a technically limited environment. The site uses a copyrighted template engine, Perl, and a MySQL database running on a UNIX server. The design, deployment and configuration required experience in SQL, advanced Perl, Database Design and Administration, UNIX administration, and a good understanding of the MySQL database engine.

Application Design

British Telecommunications Plc
Stockley Park, Uxbridge

Systems and Application design, with emphasis on the core BroadVision application that is central to the BT.com enterprise. The initial task in this assignment was the design and implementation of a search service that integrated the Verity search engine with the BroadVision personalisation engine. This required the application of experience in the Oracle, Verity and BroadVision application domains, as well as in depth knowledge of the APIs of the Verity engine, BroadVision scripting and Java programming. The project delivered a search service with a subset of Verity functionality using a custom written client, embedded in the BroadVision Interaction Manager(s) providing search services throughout the entire BT.com web domain. Throughout this assignment, a constant reference point has been the BroadVision application, and integration with it has been key to all projects undertaken, some of which are listed below.

- Migration of static HTML sites to BroadVision
- Review and Design of new Content Types for the BT.com enterprise to enhance personalisation and targeting
- Design for Multiple language support from within the BroadVision application domain
- Design support for XML interfaces to Enterprise Middle-ware System
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Other responsibilities taken on in this assignment included, advising on projects that had a dependency on Content Types in the BroadVision application area, and providing support on database design and performance issues to the Application Design team, and guidance on SQL construction and tuning to Developers.

Data Warehousing

Warner-Lambert Ltd. (Pfizer)

Primarily this role was to debug, test and extend the legacy Oracle PL/SQL packages for replicating data between this global pharmaceutical's European SAP sources to their unified repository in the US. The Global Customer Data Warehouse project was initiated by management in March 2000 with an expected completion date in August 2000. Since the project was barely past specification when I joined, there was a need for a review of the design sketches and some changes to existing implementation (PL/SQL packages and modules). This took some time as the latter stages of the project was being driven by partners in the US, with

an evolving set of critical success factors, nevertheless business critical components of the system were delivered several weeks ahead of time and much of the production data was successfully migrated.

Details of the project:

- Migration of delta data from SAP staging tables to a central aggregation area

- Performing secondary referential integrity checks

- Exporting the data to files

- Transferring the files to the Global Data Mart in the US

The legacy system did not include functional or technical specifications, this was completed following the delivery of the critical components of the project. A technical specification, and low level design documents on error management for the Global Customer Data Warehouse project were also delivered as a guide to programmers that may work on the system in the future.

Multimedia Systems Development

Foresight Europe Ltd.

Web programming for high profile clients of a leading online web development outfit based in West Kensington, London. Enhancing the functionality of sites for the likes of Disney, Emap and InterFlora, using advanced functions in PERL (DBI, CGI, FILE, Custom Libraries, etc.) and client side JavaScript as well as basic database management, design and development skills. The main requirement has been for programming of the web interface, however, the aggregation, manipulation and re-presentation of data online has required the application of Oracle and MySQL database skills, including some PL/SQL (table triggers) and advanced SQL (DML).

Freelance Consultant (Systems Design and Devt.)

Offsite development of specified systems components using PERL, Visual Basic, JavaScript, HTML, PL/SQL, providing expert advice on the design and management of Oracle database systems for e-commerce applications and assistance with requirements gathering and systems specification. Working with various clients on a variety of project modules with a quick turnaround cycle aimed at bolstering their online offering to valued customers.

Implementation Consultant

iCollector.com (Corsellis-Montford Ltd)

Pembridge Road, London, W11

Leading Development and advising on consolidation and long term strategy for leveraging IT in Europe's premier online auction house with a high stake in the potential of e-commerce. The role involved managing and directing the evolution and/or replacement of legacy systems with custom/off-the-shelf solutions, liaising with external development teams, sourcing and managing resources for project fulfilment and working on strategy to maximise long term returns on investment in IT. This in addition to hands on involvement with PERL/JavaScript programming, and interface specification for Java programmers.

Technology Consultant

ICL Consultant to Scottish Road Works Register (Susiephone Project)

Washington Lane, Edinburgh, EH11 2HA

Systems analysis and design in a review of an evolving Oracle back-end to PowerBuilder GUIs. The initial priority in this time driven project was debugging existing modules to guarantee security at the back-end while the front-end progressed through versions. The next priority was testing and revision of existing structures and practices, followed by recommendations on optimisation, security, future proofing (Y2K/upgrade issues) and the institution of formal configuration management. The project required the application of

experience of NetWare network management, PL/SQL programming, systems analyses, and database administration (including experience of Visual Basic and MS Access, which was the back-end to the previous version). Working with the ICL-CFM Project Manager and the Susiephone management and their staff, we were able to come up with the framework for a stable and forward looking system within the time-scales that were the principal drivers of the project, and to deliver the system within budget (time and capital).

Intranet Consultant

Interchange Group,
Dickens House, Flitwick, MK45 5BY

Analysis and requirements specification for a company Intranet to be accessed from offices spread across the UK. The role involved change management, internal marketing of the Intranet idea, presentations, research into alternatives and implementation paths, as well as evaluation of several development tools. This included Web Servers such as Oracle Application Server, Oracle8 Enterprise Server, Netscape Enterprise Server 3.5, Borland IntraServer, Lotus Domino Server as well as E-Commerce application builders. At the end of the project, and at points during the project, reports were delivered on research, evaluations, and tests carried out in furtherance of the project aims and to service specific requirements from consultants in related fields and or management.

Database Administrator/Programmer

Television Education Network,
Holborn, London

The analysis, design, and implementation of systems using Microsoft Access and Visual Basic interfaced with Oracle. System life cycles from solicitation of user requirements, specification derivation, empathic design through to implementation of user sensitive systems with consideration for HCI issues.

A major part of this job was the incremental development of front end using MS Access and Visual Basic with a total size of almost 50Mb and consisting of hundreds of objects (forms, reports, queries) and over seventy pages of code (Access, Visual Basic 3/4 and DLL calls). The last project I undertook was the migration of an Access 2.0 database to Oracle involving re-analysis and re-design of database structures (Oracle 7.1, 7.3) using Oracle Database Designer and Oracle Designer 2000. The project also undertook substantial programmatic changes to the front end application (MS Access), porting of Visual Basic functions to PL/SQL, Capacity Planning, Security, Backup/Recovery, Sizing and Tuning.

Database/Network Assistant

Television Education Network
Holborn, London

Installation, configuration, tuning and day to day management of a mixed network of NetWare and Windows NT servers in two office locations on the periphery of the City of London. This involved the installation of all servers, troubleshooting clients and servers down to the lower layers of the OSI model using LanAnalyser and ManageWise as well as Server tools such as NetWare 4.1 Monitor and NT 4 performance monitor.

Analysis, design and implementation of systems using several tools, including Microsoft Access, Oracle Database Designer, Visual Basic, SQL, PL/SQL, among others. Researching and presenting information to management for planning and forecasting. Using lessons learned through formal instruction, 'on-the-job learning' and personal endeavour to seek and maximise advantage for my employers. Setting up an Intranet as a gateway to the technology of the Internet, and a means of holding, controlling, and disseminating information within the organisation. Establishment of in-house training programs to transfer skills to employees, as:-

√ Internet technology √ General PC operations √ Database fundamentals

Effects of these programs included:-

√√ Distribution and consolidation of existing knowledge,

- √√ Easing of pressure on IT department for servicing
- √√ Creation of an auxiliary IT corps that can be rapidly deployed in emergencies

Technical Skills:

Systems Analysis

3yrs

Emphasising Business benefits in Systems Analysis, often relying on the 'Responsibility Driven' Object-Oriented approach in analysis, and bearing cost-benefit considerations in mind when making decisions about systems in evolution or fundamental change cycles. More involvement in the earlier stages of system development as experience has increased with emphasis on critical success criteria, risks and other project drivers. A good understanding and focus on business processes has been invaluable in participating in, or leading high profile projects for ICL (Scottish Road Works Register Project), iCollector.com, Warner-Lambert, and British Telecommunications plc (BT.com).

SQL, SQL Plus, PL/SQL

7yrs

Extensive use of SQL, SQL Plus, and PL/SQL as a programmer/developer, and as an Oracle Database Administrator. This included query writing and tuning, report generation using SQL Plus, programming of stored procedures and triggers, porting several functions and procedures from Visual Basic to PL/SQL, and creation of various packages using and extending Oracle's built in packages (DBMS Standard, Alert, Pipe .. etc.)

Oracle Server 7.1 – 8i

6yrs

Detailed and documented database analysis and design leading to implementation using Oracle 7.1 on Windows NT4 Server and Oracle 7.3 on NetWare 4.1. Database administration covering tuning and troubleshooting the server and client installations, planning for growth, and guaranteeing security of access and data. Day to day monitoring of dynamic statistics to guarantee optimum performance at all times without over-stretching resources on the network or the underlying operating system. Extensive use, installations, configuration, and administration of emergent versions of the Oracle Enterprise server up to version 8.1.6 on Linux, and 8.1.7 on Windows NT.

Oracle 8i/Designer 2000

2Yrs

Installation, configuration and tuning of final release 8.0.5 to produce reports on usability and performance for clients. Custom installation and configuration of Oracle 8.0.5 server for ICL-CFM in Belfast. Systems Modelling and object generation using Designer 2000 on Oracle 8.0.5; especially as an aid to documentation of Scottish Road Works Register (SRWR) system via reverse engineering and as a tool for planning the evolution of existing systems.

UNIX/Linux – shell scripts

2yrs

Simple scripts for automating repetitive tasks, usually scheduled to be run by cron jobs. Compilation of release notes with detailed instructions for semi-automated application of patches and minor/major releases of program code and applications. System

installation, configuration and management of Suse Linux 6.4-7.0 OS as a host for Oracle 8.1.6 and mail gateways.

Oracle (Web) Application Server / Portal **2Yrs**

Installation, configuration and tuning of test systems for impact of Web extensions to existing Oracle database services.

IE4, Netscape Enterprise Server, IIS **2Yrs**

Design of a data and process sharing system for KBC Ltd of Reading to provide services to their London and USA offices on a hybrid WAN with multiple protocols, Operating Systems, and machinery. The design guaranteed availability and security of data throughout the enterprise based on collaboration between IE4, IIS, Outlook and Exchange. An alternative design was based on Netscape Enterprise Server 3.5, this however, failed to satisfy all critical success factors.

In-depth knowledge of NetWare 4.1 (TCP/IP and/or IPX/SPX) **4yrs**

Thorough understanding of NetWare networks. Network analysis through design to installation, custom configuration, and administration to troubleshooting and interfacing with NT servers on LAN/WAN. Installation of NetWare servers in two communicating offices in the WC1 area, fine tuning the connection to allow users on the satellite site access to database services in the main office.

Visual Basic 3/4 and MS Access Developer **3yrs**

Implementation of many database systems, including an advanced contact/service management system and extensive programming using Access Basic, Visual Basic and DLLs. Providing interfaces to Microsoft Excel, and Oracle 7.3 using OLE and ODBC/Oracle Objects for OLE/SQL Net respectively. Development of numerous Forms and Reports that test the limits of development within Microsoft Access and Visual Basic, low level programming of the ODBC interface. Migration of functions from Macros to Access Basic, optimising embedded queries at the SQL level (JET/Oracle SQL), tuning Access/ODBC parameters in initialisation files and managing security via MS Access system.mda.

Verity K2 Search Engine **1Yr**

Design, configuration, tuning, troubleshooting and support of this enterprise class search engine. The implementation required customisation of style sheets, load balancing, redundancy and integration with the BroadVision application environment.

Internet Skills

- BroadVision** **1yr+**
Architecture of emerging systems within the BT.com enterprise with emphasis on design for seamless and optimal integration with legacy systems and extant applications/services within this global corporation's extensive web site. BroadVision scripting for integrating Verity K2 searching with the BroadVision application and migration of the interface and content static HTML sites to BroadVision JSP scripts, templates, and BroadVision content tables. Design lead on introduction of new Content Types and Content Management System to the BT.com enterprise to extend the BroadVision default and thereby enhance personalisation and targeting. Responsible for designing support for multiple language Content versions on the BT.com website with minimal impact/change to legacy BroadVision libraries, as well as XML interfaces to legacy and EMW systems.
- Java Servlets** **2yrs**
Java Servlets for interfacing to PERL script on Apache based web domain for sharing of data within the same enterprise. Database access and management services to web based clients. Porting of PERL scripts to Java Class files for Indexing BroadVision content tables into Verity K2 Collections. Use of Oracle extensions to standard JDBC and OCI Classes to achieve optimum performance in managing transactions in an Internet environment.
- JavaScript** **5yrs**
Providing validation, simple animation and other services at the browser and used extensively in projects to manipulate client based data; most commonly for validation of requests before they are passed to the server. Applied on the server side as part.
- PERL** **5yrs**
Used to manage interaction in many sites both on the Internet and corporate Intranets, scripts for such as graphical hit counters, message boards and simple forms, to business process implementation for storing and manipulating data as well as initiate messaging using programmed Sendmail interface. The variety and scale of work has ranged from simple request forms using a few lines of code, to online databases implemented entirely in PERL (requiring several hundred lines of code). Some of these procedures were one-offs and involved little planning, while others focused on re-usability, modularity and stability, spanning the entire development life-cycle.
- HTML** **6yrs**
Sound knowledge of HTML, especially in CGI programming of dynamically generated pages. Employed in many projects using most of the features provided by HTML specifications 2.0 to 4.0.

Referees:

Mr Colin Paterson (**Electronic Channels Design Manager BT.com**)
British Telecommunications Plc
4 Long Walk, Stockley Park
Uxbridge, Middlesex
Tel: 01473 606268
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Lex Rooimans (**Project Manager – Global Data Warehouse**)
Warner-Lambert (Pfizer)
Eastleigh (near Southampton)
Tel: 02380 623663

(Taken over by Pfizer, location may no longer exist, try Sandwich office of Pfizer)

Mr Alan McMaster (**CEO**)
Scottish Road Works Register
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