

Keith Long – Senior Front End Developer

An experienced senior software architect and developer with a track record of delivering quality solutions quickly within IT, logistics and financial software house-sectors. During his ten years in the IT industry he has held roles in software architecture, software development, business analysis and system administration deploying a variety of technologies and methodologies.

He has extensive experience in Computer Networking, Client Desktop, Web Desktop, RIA Applications, Batch Processing, Month-end Reporting, System Integration and Server-side J2EE and non J2EE technologies ranging from the design and development of complex model-view-controller architectures to the integration of third party systems and legacy software.

Keith's main area of expertise is in front-end development he has developed in a large variety of GUI frameworks his recent focus is in RIA Technology and has very Strong experience of Flex3 and the Dojo Web toolkit framework

As well as technical knowledge Keith has a strong understanding and interest in financial Systems and is capable of acting as a Business Analyst for requirements gathering. He has demonstrated this most recently as the lead developer for a risk management project, project manager for a Corporate Actions project and liaising with traders and external vendors for setting up new trade feeds for new businesses.

IT Skills Summary

Java Programming	Java versions 1.1 - 1.6	Ten Years
	Java UI AWT, Swing	Six Years
	Java Technologies JNI, XML, RMI	Five Years
	J2EE CMP, JNDI EJB, JMS, String, Hibernate, JMS, MQ, XDoclet	Five Years
	Jasper Reports	One Year
Web Development	Spring Framework	Four Years
	DOJO AJAX	Two Years
	JBOSS Jetty	Three Years
	Tomcat	Three Years
Application Servers	WEB 2.0 DHTML	Three Years
	JBOSS 4.04 GA / JBOSS 3.x.x	Four Years
	Apache Tomcat	Four Years
Database Programming	Oracle 8i / 9i / 10G	Ten Years
	Sybase ASE 11, 12, 15	Two Years
	SQL Server 2000/2005	Four Years
Methodologies	TDD – Test Driven Development	Four Years
	AGILE - Continuous Integration / Pair Programming	Five Years
	MDA / DDD – Model Driven Development	Four Years
Scripting	Ant, Nant , Maven 2 Build scripts	Four Years
	Bash, CSH Scripting	Three Years
Financial Systems	BACS Interface	One Year
	Basel II Reporting (STB, FSA Reporting)	Two Years
	Corporate Actions	One Year
	GL Software – Oracle, JD Edwards	One Year
Operating Systems	Swift / Crest messaging	One Year
	Windows 2000 / XP	Six Years
	Linux, Solaris UNIX OS	Three Year
Profiling Tools	CE.NET	One Year
	JProbe, JProfiler etc	Four Years
	Oracle Enterprise manager,	Four Years
	Toad for Oracle	Two Years
	PL/SQL Developer	One Year

Career History

Senior Java Developer BGC Brokers / Cantor Fitzgerald Nov 2007 – Current

BGC is a division of Cantor-Fitzgerald one of the largest world-wide banking institutions. BGC itself is the largest UK brokerage house. My role is as the principle developer for developing and analysing back-office systems for both Cantor-Fitzgerald Europe and BGC with-in operational and as an advisor for finance functions.

As lead developer I have been responsible for the higher visibility projects most notably the Basel II Credit Risk implementation which involved me designing and implementing a solution for amalgamating and providing position, failed trade reports, cash balances from each end-point system (settlement systems / spread betting / receivables and more) into a single format; specifying and sourcing pricing information, rating information and FX-Rates for the STB Credit Risk calculations application and developing a counterparty application for providing a linkage between the counterparties setup across systems / entities.

At BGC I have gained very strong experience of managing external vendors including developing requirements, project management, and business analysis for dealing with external vendor and Market Data Providers including FTID, XSP Solutions, Lombard Risk Management and SunGard. One of the more difficult tasks was dealing with off-shore development from SunGard in Puni, India and being required to produce proof for their / our management on what the issues were and how to reproduce. Forcing the requirement on the vendor to version / release to us and document what changes have been provided so that we can adequately test.

Other responsibilities -

- Leasing with Market Data Service (Internal / External) for requesting Instrument / Pricing / Swift Data
- Managing out-sourced development staff and ensuring both quality and requirements are met
- Managing the Development and performing as BA for the Corporate Actions / Dividend project.
- Managing, developing and requirements gathering for Transactional Reporting for ICMA (LSE, AMF) and SWX
- Managing developing and requirements gathering for a Greenfield Risk Reporting project, designing feeds and specifying data content to deliver to the FSA across multiple business entities.
- Managing External relationship with business users and Vendors
- Trade Feed Integration / Systems Integration
- Proven ability to lead, prioritise, mentor and delegate work to manage difficult situations.
- Liaising with heads of departments and senior management
- Maintaining Existing Swing Application and adding new functionality

Key Technologies used:

Sybase, Core Java, XML, JMS, IBM Websphere, Swing, Flex, Flex Builder

Senior J2EE Developer White Clarke Group Ltd June 2005 – Nov 2007

Project Publicity Website: <http://www.whiteclarkegroup.com/index/page/193.html>

White Clarke Group is a key Financial Software house on the world market developing IT solutions for finance companies, banks and investment banks. My role is as the lead developer of the wholesale finance project this product is run worldwide by an impressive list of clients.

As lead developer one of my key-roles was to evaluate the various rich client frameworks and to provide an extensible architecture that could be used through out the company; I developed various solutions over a 12 month period using a variety of RIA frameworks including ECHO2, FLEX and DOJO.

My final role at WCG was a lead developer on the Open University Project where I introduced the DOJO Web toolkit to develop the Front-End the intention by management was for this exemplary project to be used a reference application for other applications built by the company.

- Developing Extra net to allow dealerships to view their account information and on-line payments.
- Developing specifications and requirements for interfacing with other financial systems.
- External on site analysis to Commercial Banks and Finance Companies.
- Mentored a team of four developers on technical issues and business problems.
- Providing time-scales and work estimates for external proposals.
- Co-Architect on Large student loan finance system for Open University and company architecture advisor

Clients include: DE-LAGE-LANDEN, RABOBANK, OPEN UNIVERSITY, DUCATI MOTORBIKES

Key Technologies used:

Eclipse, Oracle 10G, Java Swing / J2EE, Annotations, Geronimo, JBoss, XML, Hibernate, Kerberos Spring Framework, DOJO AJAX, FLEX, ASDOC, Firebug, Web Developer, JS Eclipse

Swing / J2EE Auriga Communications Ltd Feb 2003 – Jun 2005

PDF Brochure: http://www.auriga.co.uk/vrx_media/1112700030.pdf

Responsible for developing new technology for taxi and private hire businesses. This Greenfield project has significantly contributed to the growth of the company. from being based only in the UK to being having a product that is now live in France, Italy, Spain, and New Zealand:

- Designed and Developed scalable Swing client framework.
- Designed and Implemented software deployment solution built upon custom windows services, SNMP monitoring, end-user diagnostic, remote management and automated upgrade procedures.
- Designed and Developed Vehicle Tracking and GIS Mapping interfaces.
- Re-factored key aspects of the server-side persistence layers involving replacing CMP backend with Hibernate, deploying a distributed cache between the server and client workstations.

Key Technologies used:

Oracle 9i, Java Swing / J2EE, JBoss, XML, Hibernate EH Cache, ESRI Map Objects, ANT, Eclipse

Swing Optrak Software Ltd Jun 2000 – Feb 2003

Online Demonstration: <http://www.optrak.co.uk/en/tour.html>

Responsible for the development and modification of a Vehicle Routing, Load Planning and scheduling tool

- Component Development developed various Java2D components following the Swing UI/MFC implementation. Utilizing advanced features such as Sound API, Drag n Drop functionality between components.
- Responsible for the Design and Development for the more complex user interface components GIS / Mapping and Timeline Histogram.
- Designed and Developed CSV / XML - XSLT Import and Export facility which enabled compatibility with legacy product.

Key Technologies used:

Linux, SQL Server 2000, Java Swing, XML / XSLT, J-Builder, CodeGuide, Eclipse, J2EE

Unix Technician UEL Postgraduate Aug 1999 – Jun 2000

Responsible for network maintenance the support and administration within the University Campus providing First class first-line technical support for staff and students as part of work-placement scheme.

- Responsible for the network administration of sixteen research UNIX servers on site.
- Responsible for Software Licensing / Asset tracking IT equipment with-in the organisation
- Responsible for Network maintenance including cabling, patching and diagnosing replacing faulty network devices.
- Administration of a Solaris SPARCstation networks 15+ servers, 200 users

Technologies used:

Windows 2000, Active Directory, Novell Netware, Solaris, Linux

Education

Management Training Course SPS Associates March 2009

2.2 Distribution Information System East London University 2002

B A-Level Computing, B - A/S Level Accounting – Newcastle College

9 GCSE's 3 B's 5 C's - George Stephenson High-school