

Brian Matthews - Curriculum Vitae



Address: 60 Barons Hall Grove, Balbriggan, Co. Dublin, Ireland

E-mail: brian@btmatthews.com

Phone: +353-87-1418311

Blog: <http://blog.btmatthews.com>

Skype: bmatthews68

Twitter: bmatthews68

Google+: bmatthews68

LinkedIn: <http://ie.linkedin.com/in/bmatthews68>

GitHub: <https://github.com/bmatthews68>

Profile

I am a self-motivated IT professional with over 20 years hands-on experience developing and delivering solutions for the banking/finance, government, insurance, software, telecommunications and transportation industries on Java and .NET stacks.

I have over 10 years project management experience using traditional waterfall-based, iterative and agile software development life cycles. I am a practitioner of the SCRUM agile project management technique.

I have experience coordinating development teams based across multiple geographic locations and time zones. I have worked with off shore development teams in Tunisia, India, Singapore and Philippines and I have worked overseas in UK, USA, France, Japan and Tunisia.

Work History

Company	From - To	Position (Duration)
Daon	Sep 13 - Dec 13	Contractor / Software Engineer (4 mths)
Realex Payments	Feb 13 - Aug 13	Contractor / Software Engineer (6 mths)
Fujitsu	Jan 13 - Feb 13	Contractor / Software Engineer (1 mth)
Newbay	Jan 12 - Oct 12	Contractor / Software Engineer (9 mths)
LeasePlan	Jul 11 - Jan 11	Contractor / Software Engineer (6 mths)
D&B	May 11 - Jul 11	Contractor / Technical Architect (3 mths)
Fujitsu	Jun 10 - Apr 11	Contractor / SOA Architect (10 mths)
Corvil	Oct 09 - Jun 10	Contractor / Software Engineer (8 mths)
Vodafone	Feb 09 - Sep 09	Contractor / Technical Architect (8 mths)
TerraNua	Aug 06 - Jul 08	Director / Architect (2 yrs)
Fidelity Investments	Oct 05 - Jul 06	Information Security Consultant / Architect (10 mths)
KVH	Oct 03 - Sep 05	Lead System Architect (2 yrs)
Fidelity Investments	Jun 00 - Sep 03	Principal Consultant / Architect (3 yrs 4 mths)
International Financial Systems	Aug 99 - May 00	Software Development Manager (9 mths)
AT&T Labs	Oct 98 - Jul 99	Contractor / Technical Lead (10 mths)
IBM	Oct 97 - Sep 98	Contractor / Project Lead (1 yr)
Microsoft	Apr 96 - Sep 97	Contractor / Software Engineer (1 yr 6 mths)
Lotus	Sep 95 - Mar 96	Contractor / Software Engineer (6 mths)
Lehman Brothers	Aug 94 - Aug 95	Contractor / Project Lead (1 yr 1 mth)
Hewlett Packard	Apr 94 - Jul 94	Contractor / Software Engineer (3 mths)
IBM	Oct 93 - Mar 94	Contractor / Technical Lead (6 mths)
British Rail	Mar 93 - Sep 93	Contractor / Software Engineer (6 mths)
AT&T Istel	Sep 92 - Jan 93	Contractor / Software Engineer (4 mths)
Polydata	Apr 89 - Aug 92	Senior Software Engineer (3 yrs 5 mths)

Current Areas of Interest

I am currently researching:

Last updated: December 2013

Page 1 of 14

- ◆ Functional programming with Scala (<http://www.scala-lang.org>)
- ◆ MongoDB (<http://www.mongodb.org>) NoSQL database
- ◆ SBT (<http://www.scala-sbt.org/>) and Gradle (<http://gradle.org/>) build automation tools

Open Source Projects

I am the sole contributor to the following Open Source projects:

- ◆ **Selenium JUnit 4 Runner** (<http://selenium-junit4-runner.btmatthews.com>) – a JUnit class runner that reduces some of the boiler-plate required to create integration tests with Selenium.
- ◆ **CRX Maven Plugin** (<http://crx-maven-plugin.btmatthews.com>) – package and sign Google Chrome extensions.
- ◆ **LDAP Maven Plugin** (<http://ldap-maven-plugin.btmatthews.com>) – import/export data to/from a LDAP directory and run an embedded LDAP directory server within the build life cycle.
- ◆ **e-Mail Server Maven Plugin** (<http://emailserver-maven-plugin.btmatthews.com>) – run an embedded e-mail server within the build life cycle supporting Greenmail, Dumbster and SubEthaSMTP.
- ◆ **In Memory Database Maven Plugin** (<http://inmemdb-maven-plugin.btmatthews.com>) – run an embedded database server with in the build life cycle supporting HSQLDB, H2 and Derby.
- ◆ **Leabharlann** (<http://leabharlann.btmatthews.com>) – web application to browse a Java Content Repository using Spring MVC and ExtJS.

Detailed Work History

Daon, Dublin, Ireland

Contractor – Software Engineer, Sep 13 - Dec 13

At Daon (<http://www.daon.com>) I worked independently developing features for their IdentityX product (<http://www.identityx.com>) which uses biometric and multi-factor authentication to secure transactions on mobile devices.

Achievements

- ◆ Migrated the bulk of the IdentityX code-base from a legacy Ant-based to a Maven-based build.
- ◆ Implemented the support for RSA SecurID based authentication for IdentityX.
- ◆ Introduced the Jasmine test framework to unit test the server-side JavaScript scripts glued together many of the components of the IdentityX server.

Programming Languages – Java, JavaScript

Brian Matthews - Curriculum Vitae

Frameworks - Spring, Jasmine

Target Environment - Redhat Linux, Windows Server, Tomcat, Oracle, SQL Server, MySQL

Development Tools - Eclipse, Subversion, Maven, Ant, Jenkins

Realex Payments, Dublin, Ireland

Contractor - Software Engineer, Feb 13 - Aug 13

At Realex Payments (<http://www.realexpayments.com>) I was a member of an Agile team that developed and maintained tools the Fraud Management module of Real Control 2 and Host Payments Page. Real Control 2 is the tool that merchants use to blah blah blah... Hosted Payments Page is a check-out solution for merchants that don't want.

Achievements

- ◆ Completed the Fraud Management module of RealControl 2
- ◆ Designed and implemented the white-labeling solution for Hosted Payments Page using Apache Jackrabbit and Thymeleaf
- ◆ Designed and implemented the integration with alternative payment methods (e.g. PayPal) and exchange rate quoting using Spring Integration Programming Language - Java

Programming Languages - Java, JavaScript

Frameworks - Spring, Spring Security, Spring Integration, Thymeleaf, Apache Jackrabbit, myBatis, Memcached

Target Environment - Redhat Linux, SpringSource tcServer, SQL Server

Development Tools - SpringSource Tool Suite, Subversion, Maven, Jenkins, Sonar, JIRA, Nexus, Confluence

Newbay, Dublin, Ireland

Contractor - Software Engineer, Jan 12 - Present

At Newbay (<http://www.newbay.com>) I was a member of an Agile team that developed and maintained SyncDrive. SyncDrive is a white label product offered to mobile phone operators to allow users synchronize content between their PCs, mobile devices and cloud based storage.

Achievements

- ◆ Resolved high priority defects in order to complete the first version of SyncDrive for Mac OS X and deliver on time to the operator.
- ◆ Extensively refactored the code-base to separate presentation, business logic and data concerns. This was done primarily to eliminate inherent race conditions in the synchronization process. But I had the secondary goal of making it possible to write unit tests.

Programming Language - Objective-C

Frameworks – CoreData, Cocoa, OSXFUSE, OCMock, Growl

Target Environment – Mac OS X 10.6+

Development Tools – XCode 4, Perforce, JIRA, Confluence, Bamboo, Nexus, Maven

Newbay, Dublin, Ireland

Contractor – Software Engineer, Jan 13 – Feb 13

At Newbay (<http://www.newbay.com>) I was a member of an Agile team that developed and maintained SyncDrive. SyncDrive is a white label product offered to mobile phone operators to allow users synchronize content between their PCs, mobile devices and cloud based storage.

Achievements

- ◆ Resolved high priority defects in order to complete the first version of SyncDrive for Mac OS X and deliver on time to the operator.
- ◆ Extensively refactored the code-base to separate presentation, business logic and data concerns. This was done primarily to eliminate inherent race conditions in the synchronization process. But I had the secondary goal of making it possible to write unit tests.

Programming Language – Objective-C

Frameworks – CoreData, Cocoa, OSXFUSE, OCMock, Growl

Target Environment – Mac OS X 10.6+

Development Tools – XCode 4, Perforce, JIRA, Confluence, Bamboo, Nexus, Maven

LeasePlan, Dublin, Ireland

Contractor – Software Engineer, Jul 11 – Jan 12

At LeasePlan (<http://www.leaseplan.com>) I was a member of an Agile team that re-engineered LeasePlan's Internet Quotation web application to improve the user experience and address security concerns raised by external auditors.

Achievements

- ◆ Introduced Selenium integration tests into the automated Maven build
- ◆ Introduced JIRA and GreenHopper for bug tracking and task management
- ◆ Migrated code base from Spring 2 to Spring 3
- ◆ Implemented support for dynamic look and feel using Apache Jackrabbit as the content repository to allow individual business units and brokers have distinct look and feels
- ◆ Addressed performance issues when proxying remote content (car images) provided by 3rd party systems by introducing caching and image scaling

Programming Languages – Java, Javascript

Frameworks – Spring, Spring Security, Struts 2, SQLMaps, Jackrabbit

Brian Matthews - Curriculum Vitae

Target Environment - iSeries, WebSphere, WebSphere MQ

Development Tools - Maven, Subversion, JIRA, Greenhopper, Artifactory, Selenium, Eclipse

D&B, Dublin, Ireland

Contractor - Technical Architect, May 11 - Jul 11

I was taken on by D&B to be an architect on user interface and input handler components of their new Data Supply Chain infrastructure. The Data Supply Chain infrastructure is responsible for processing all inbound data used by D&B to accumulate business intelligence, derive linkage information and calculate credit scores. The project has not progressed past the requirements gathering phase when I left.

Fujitsu, Dublin, Ireland

Contractor - SOA Architect, Jun 10 - Apr 11

At Fujitsu I designed and implemented solutions for the Irish Department of Transport and the Irish Courts Service using the principles of Service Oriented Architecture.

Achievements

- ◆ Designed the integration for the Department of Transport with its equivalents in other EU jurisdictions to share driver, vehicle and owner information using Oracle SOA Suite 10g.
- ◆ Implemented web services using Oracle SOA Suite 10g to allow the Road Safety Authority and Taxi Regulator access the driver and vehicle database maintained by the Department of Transport.
- ◆ Implemented a web service and front end to allow vehicle owners recover the PIN they need to pay motor tax online.
- ◆ Proposed the development toolset and open source technology stack for the Irish Courts Service.
- ◆ Designed and led the implementation a proof of concept for the Irish Courts Service to allow plaintiffs seek judgements for liquidated sums online using JBoss, Spring, Spring Web Services, Hibernate and JBoss ESB
- ◆ Upgraded the integration of Murex trading and SWIFT settlement systems at KBC Bank

Programming Language - Java, Shell Scripting, BPEL, Javascript

Frameworks - Spring, Spring Security, Spring Webflow, Spring Web Services, Hibernate, EHCache, jBPM, Drools

Target Environment - Solaris, WebSphere MQ, OC4J, JBoss, Oracle SOA Suite, JBossESB, Apache, OpenLDAP, Active Directory, MySQL, Ingres, Oracle

Development Tools - Maven, ANT, Fisheye, Bamboo, Crucible, Proximity, Grinder, JMeter, Benerator, Eclipse

Corvil, Dublin, Ireland

Contractor - Software Engineer, Oct 09 - Jun 10

I developed decoders for Corvil (<http://www.corvil.com>) to handle market data feed, trading and middle-ware protocols in order to perform gap detection and message correlation within their latency analysis tools.

Achievements

- ◆ Implemented a generic template driven decoder that exceeded the performance targets
- ◆ Implemented decoders to handle protocols for the Deutsche Börse, London, NASDAQ, NYSE, Tokyo and Osaka exchanges
- ◆ Implemented a decoder for Tibco Rendezvous by reverse engineering the sample traffic

Programming Languages - C++, PERL, Python

Frameworks - Boost, STL, Expat, Xerces

Target Environment - BSD

Development Tools - g++, Subversion, JIRA, Fisheye, Bamboo, Crucible, Valgrind

Vodafone, London, UK

Contractor - Technical Architect, Feb 09 - Sep 09

I was the technical architect for My Web (<http://myweb.vodafone.com>), Vodafone's new mobile portal that evolved into Vodafone 360. It was originally launched for Egypt, Germany, Greece, Ireland, Italy, Netherlands, Portugal, Spain, South Africa, Turkey and UK in 2009.

Achievements

- ◆ Re-designed the software architecture to ensure the system would meet non-functional performance and stability requirements to support an initial active user base of 7.5m with a peak load of 1,600 page views per second
- ◆ Migrated the build and improved the automation from ANT to Maven 2

Programming Language - Java, PHP, Javascript

Frameworks - Spring, Spring LDAP, Struts, Hibernate, EHCache, JGroups, Apache Commons, OSGi, ExtJS

Target Environment - JBoss AS, Apache Felix, Apache HTTPD Server, Oracle 10g, Solaris

Development Tools - Maven, Hudson, Archiva, Eclipse, Subversion, Grinder, JProbe, Mercury Quality Centre

Brian Matthews - Curriculum Vitae

TerraNua, Dublin, Ireland & Tunis, Tunisia

Director / Architect, Aug 06 - Jul 08

At TerraNua (<http://www.terranua.com>) I was mainly responsible for designing the architecture and overseeing the implementation of MyComplianceOffice (<http://www.mycomplianceoffice.com/>). MyComplianceOffice is a “Software as a Service” (SaaS) hosted/multi-tenant solution that allows US-based registered investment advisors and hedge funds manage their compliance related business processes. MyComplianceOffice was built using portal server, workflow and document management technologies.

Achievements

- ◆ Designed the physical and software architecture for MyComplianceOffice
- ◆ Recruited and led the development team for release 1.0
- ◆ Lead the architecture team
- ◆ Established the engineering practices
- ◆ Introduced SCRUM to manage the development phase of the project
- ◆ Recruited and mentored an offshore development team in Tunisia
- ◆ Introduced a Wiki to manage developer documentation
- ◆ Introduced continuous integration (using Continuum)

Programming Languages - Java, Javascript

Frameworks - Spring, Acegi, Spring Web Services, Apache Axis, Spring LDAP, Hibernate, Compass, Lucene, Quartz, Drools, JUG, CGLIB, EhCache, Shark

Target Environment - Jetspeed 2, IBM WebSphere, Netscape iPlanet, SunONE Directory Server, Documentum, Oracle 10g, Solaris

Development Tools - Maven, Continuum, Archiva, Eclipse, Clearcase, Apache HTTP Server, Apache Tomcat, Oracle XE, Windows, Sharepoint, JIRA, LoadRunner, QuickTest Pro, MediaWiki

Fidelity Investments, Dublin, Ireland

Information Security Consultant / Architect, Oct 05 - Jul 06

As an Information Security Consultant at Fidelity Investments (<http://www.fidelity.com>) I was the architect supporting the teams responsible for developing and maintaining Fidelity Investments' enterprise-wide automated access provisioning, risk management and reporting system. The core components were an intranet facing application for raising and processing access requests and workflow engine that integrated the various 3rd party solutions and automate the provisioning processes. The intranet facing application was developed using ASP.NET and the workflow engine was implemented using C# and NxBRE.

Achievements

- ◆ Introduced Test Driven Development (TDD) to the automated provisioning team

- ◆ Designed and implemented a new automation engine to provision user access requests

Programming Language - C#

Frameworks - .NET, ASP.NET, NxBRE

Target Environment - IIS, Active Directory, Oracle 9i, Sun Identity Manager, BMC Enterprise Security Station, Windows 2003 Server, Solaris

Development Tools - Visual Studio, Clearcase, ClearQuest

KVH, Tokyo, Japan

Lead System Architect, Oct 03 - Sep 05

I was seconded to a private telecommunications company owned by Fidelity Investments called KVH. At KVH I reported to the CIO but also worked closely with the CTO and CFO architecting the integration of and supporting the implementation of Business and Operations Support Systems. The majority of the applications at KVH were deployed on Windows based platforms.

Achievements

- ◆ Created and maintained the blueprint and roadmap for the overall architecture of the OSS/BSS platform
- ◆ Conducted product evaluations and engaged in vendor negotiations.
- ◆ Designed and supported the development of eKVH (<http://ekvh.co.jp/>) - a Business to Consumer (B2C) portal developed using BEA WebLogic Portal by an outsourced team in India
- ◆ Designed and developed a Business to Employee (B2E) portal implemented in Struts.

Programming Languages - Java

Frameworks - Struts, Apache FOP, Hibernate, Velocity

Target Environment - BEA WebLogic Portal, Tomcat, webMethods, Siebel, Oracle eBusiness Suite, Portal Infranet, Micromuse Netcool, Infovista

Development Tools - Eclipse, CVS, LoadRunner, QuickTest Pro

Fidelity Investments, Dublin, Ireland

Principal Consultant / Architect, Jun 00 - Sep 03

At Fidelity Investments I played a leading role in three major product developments:

- ◆ **PlanViewer** (<http://www.planviewer.co.uk/>) is provided by Fidelity International Limited (FIL) to allow members, sponsors and administrators of defined contributions pension schemes to view balances, review transaction history, switch out of existing investments or change their future contribution mix. PlanViewer was a J2EE application developed using Struts.
- ◆ **ActiveTrader Pro** (<http://personal.fidelity.com/accounts/activetrader>) is a desktop trading application provided by Fidelity eBusiness for the high net worth and active

Brian Matthews - Curriculum Vitae

trader market segments to access their brokerage accounts, place trades, receive streaming quotes and review market news. ActiveTrader Pro was a Windows desktop application developed in C++ using ActiveX components.

- ◆ **Fidelity Online Xpress+ (FOX+)** was Fidelity Investments' original desktop trading application available to all customer segments. FOX+ allowed customers to access their accounts, place trades, receive static quotes and review market news. FOX+ was a Windows desktop application developed in C++.

Achievements

- ◆ I was a member of the Development Audit Team (DAT) which audited projects to ensure they adhered to best practices from a project management perspective during the project initiation, requirements gathering and solution design phases.
- ◆ I was a founding member of the Technical Review Board (TRB) which reviewed the proposed architectures and detailed designs of projects to ensure that those projects were technically feasible and following best practices
- ◆ Ported PlanViewer from a proprietary model-view-controller framework to Struts 1.1.
- ◆ Led the project team in Dublin that implemented many of the key components of ActiveTrader Pro.
- ◆ Designed and implemented the framework for the user interface of ActiveTrader Pro.
- ◆ Achieved 4.5 out of 5 customer satisfaction ratings from the Active Trader Pro project stakeholders.
- ◆ Streamlined the configuration management and release engineering practices for FOX+.
- ◆ Dramatically reduced the size of the downloadable product installer for FOX+ from 12MB to 3MB.
- ◆ Successfully delivered quarterly releases of FOX+.
- ◆ Achieved 5 out of 5 customer satisfaction ratings from the FOX+ project stakeholders.

Programming Languages - Java, C++, Javascript

Frameworks - Struts, STL, MFC, RougeWave Libraries, COM/ATL, ADO

Target Environment - IBM WebSphere, Sybase, Solaris, Windows 95/NT/ME/2000

Development Tools - Eclipse, Visual C++, Clearcase, LoadRunner, WinRunner, ClearQuest, Test Director

International Financial Systems, Dublin, Ireland

Software Development Manager, Aug 99 - May 00

I joined IFS as the Senior Software Architect to design the architecture for a new margin trading system that would replace the company's existing thick client product offering called MarginMan. MarginMan was developed as a Windows desktop application using C++.

Last updated: December **2013**

Page 9 of 14

Achievements

- ◆ Designed the architecture for a CORBA based n-tier collateralized margin trading system.
- ◆ Took on the role of Software Development Manager with responsibility for teams based in Dublin, Singapore and Manila

Programming Language - C++

Frameworks - Orbix, MFC

Target Environment - Windows NT

Development Tools - Visual C++, Visual SourceSafe

AT&T Labs, Redditch, UK

Contractor - Technical Lead, Oct 98 - Jul 99

At AT&T Labs I worked for the IP Technology Organization, which was developing a platform to construct and manage network services called Common Open IP Platform (COIPP). I provided CORBA expertise to the team responsible for implementing the middle-tier components of the provisioning, billing and management systems.

Achievements

- ◆ Ported the existing components from Orbix to VisiBroker.
- ◆ Assisted the team that ported the existing components from Windows to Solaris.
- ◆ Migrated the team's version control solution from PVCS to Clearcase.

Programming Languages - Java, C++

Frameworks - Orbix, VisiBroker

Target Environment - MQSeries, Oracle, Solaris

Development Tools - Visual C++, Sun C++, Clearcase, PVCS

IBM, Dublin, Ireland

Contractor - Project Lead, Oct 97 - Sep 98

At IBM I worked with the Insurance Solutions Development Centre developing a customer relationship management application for insurance companies called Client Information & Integration System (CIIS).

Achievements

- ◆ Led the team that designed the architecture for CIIS.
- ◆ Led the team developed the middle-tier components

Programming Languages - Java, C++

Frameworks - Swing, Orbix, OrbixWeb

Brian Matthews - Curriculum Vitae

Target Environment - DB2, Solaris

Development Tools -Visual C++, Visual SourceSafe

Microsoft, Seattle, WA, USA

Contractor - Software Engineer, Apr 96 - Sep 97

At Microsoft I worked for the Infrastructure and Automation Tools team. I was responsible for developing agents to be installed on file, database, e-mail, web and proxy servers to collect usage metrics and in order to predict future server and disk space demands. These agents were installed on over 3,000 servers worldwide.

Programming Language - C++

Framework - MFC

Target Environment - SQL Server, Windows NT

Development Tools - Visual C++, Visual SourceSafe

Lotus, Dublin, Ireland

Contractor - Software Engineer, Sep 95 - Mar 96

At Lotus I worked for the Global QA team that developed test, automation and localization tools used to test and localize Lotus' office application suite.

Achievements

- ◆ Developed plug-ins to instrument Lotus' custom controls.
- ◆ Unified the code-base to eliminate the need for separate builds for each flavour of Windows.

Programming Languages - C++

Target Environment - Windows 3.x/95/NT

Development Tools - Visual C++, PVCS, Lotus Notes

Lehman Brothers, London, UK

Contractor - Project Lead, Aug 94 - Aug 95

At Lehman Brothers we developed and maintained applications to support the purchasing, goods inwards and accounting departments of Lehman Brothers in London.

Achievements

- ◆ Recruited and lead the development team
- ◆ Ported existing applications from OS/2 to Windows 3.x
- ◆ Carried out maintenance and implemented enhancements to meet changing business practices.

Programming Language - C++

Frameworks - Object Windows Library

Target Environment - Lotus Notes, Sybase, Windows 3.x, OS/2

Development Tools - Borland C++, CSet++, PVCS

Hewlett-Packard, Grenoble, France

Contractor - Software Engineer, Apr 94 - Jul 94

At Hewlett-Packard I was part of a small team that ported a product called Omnishare from specialized hardware to run on a standard IBM compatible PC. Omnishare was a conferencing tool that allowed users to share and annotate documents using the same telephone line for voice and data.

Programming Language - C++

Framework - MFC

Target Environment - Windows 3.x

Development Tools - Visual C++, Visual SourceSafe

IBM, Dublin, Ireland

Contractor - Technical Lead, Oct 93 - Mar 94

At IBM I provided consultancy to the team developing a data warehousing tool called DataRefresher. When I joined the DataRefresher was failing to meet the acceptance criteria set by the QA team due to significant memory leaks, race conditions and inter-process communication issues.

Achievements

- ◆ I identified the sources of all major defects that were preventing the QA team accept the build.
- ◆ Re-introduced release engineering processes that had been abandoned by the development team.

Programming Language - C++

Target Environment - OS/2, DB2, Communications Manager

Development Tools - CSet++

British Rail, Darlington, UK

Contractor - Software Engineer, Mar 93 - Sep 93

At British Rail I was part of the team developing a client server application called Advanced Transmanche Operations Management System (ATOMS). ATOMS was the passenger booking and rolling stock management system developed for British Rail, SNCF France and SNCF Belgium to operate services running through the Euro Tunnel.

Achievements

- ◆ Designed and implemented the framework for the ATOMS user interface.

Brian Matthews - Curriculum Vitae

Programming Language - C++

Frameworks - MFC

Target Environment - Windows 3.x, Oracle

Development Tools - Visual C++, PVCS

AT&T Istel, Redditch, UK

Contractor - Software Engineer, Sep 92 - Jan 93

At AT&T Istel I implemented a light-weight object request broker for Windows that allowed inter-process communication on a personal computer and with a server process running on an Unix platform. The object request broker pre-dated Common Object Request Broker Architecture (CORBA) and was based on Advanced Network Systems Architecture (ANSA).

Achievements

- ◆ Developed the inter-process communication for co-located Windows applications using Dynamic Data Exchange (DDE).
- ◆ Developed the client-side communication between the Windows applications and server processes over a serial connection.

Programming Language - C++

Target Environment - Windows 3.x, Unix

Development Tools - Visual C++, PVCS

Polydata, Dublin Ireland

Senior Software Engineer, Apr 89 - Aug 92

At Polydata I designed and developed bespoke applications for petro-chemical companies including DOW Chemical , DuPont , ICI , Bayer and Elf Atochem. These applications were electronic catalogues describing the material properties of the plastics manufactured by those companies.

Achievements

- ◆ Consolidated and re-factored the existing source code developed for different customers into a single code base.
- ◆ Automated the release engineering process.

Programming Languages - Pascal, C, C++, Assembler

Target Environment - MS-DOS

Development Tools - Turbo Pascal, Turbo C++, RCS

Qualifications & Training

B.Sc. in Computer Applications

Dublin City University

Graduated with honours in November 1990

References

Available upon request.