

Stephen Palmer

I am a software developer, consultant and author whose areas of expertise include agile software development methods, in particular FDD and Scrum, and object-oriented analysis, modeling and design (OOA/OOD), component-based development, and service-oriented architecture (SOA).

I started my career as a C and FORTRAN developer working on several multi-million dollar industrial monitoring and control projects in the UK. I then spent six years working on large business process automation projects in Singapore using Oracle, C++, and Java.

On returning to the UK from Singapore, I spent ten years working as a software development consultant, independently, for TogetherSoft, and for Borland. This included significant periods of work at clients like Nato, CapGemini, British Telecom, and HM Customs & Excise.

Most recently, I completed 15 successful months working as the development lead on a large, ambitious .Net project for a global commercial insurance company.

ACADEMIC BACKGROUND

BSc in Computer Science and Mathematics, (First Class Honours)

Keele University, Staffordshire, UK 1989

PROJECT EXPERIENCE

FM Global, Policy System 2009-2011

Rhode Island, USA

Development of a system to determine premium details for complex global commercial insurance policies, written in C# with Javascript-enabled web user interface.

- Lead day-to-day development across problem domain, user interface and system integration teams of about 20 developers in total.
- Led the establishment of a working, regular build process based around Microsoft TFS and MS Build 2008
- Coached developers on, and enforced, the FDD process used on the project

CapGemini BAS BV ALM Rollout 2008-2009

Various locations, The Netherlands

The enterprise-wide rollout of Borland products and CMMI 3 level compliant process

- Advised and coached on strategic use of Borland Together and UML modelling within a use-case driven process across the organization.
- Managed day-to-day engagement for the GDP Roll Out project.

NATO Scrum Pilot 2008

Den Haag, The Netherlands

A pilot project experimenting with the agile process, Scrum

- Trained and coached a small team on the principles and application of Scrum.

BT Capability Design Framework (CDF) 2006-2008

Various locations, UK

CDF is a model-driven, enterprise-wide, service-oriented architecture(soa) initiative at BT

- Advised and coached on use of UML and Borland Together for enterprise-wide soa.
- Led an agile team in the creation of additional model-driven transformations, templates and automated audits for Borland Together 2006 to support the SOA models.

BT Software Engineering Programme (SEP) 2004-05

Various locations, UK

SEP was an enterprise-wide initiative in BT that included the adoption and rollout of Borland ALM products as the standard toolset for BT software development projects.

- Advised on use and rollout of Borland Together and UML to hundreds of designers and developers across BT.
- Writing and delivery of customized UML, object-oriented analysis and design, and Borland Together training courses.

HM Customs & Excise 04/03-11/03

Centaur, Southend, UK

Centaur is a custom-built J2EE and XML based-system used by HM Customs and Excise.

- Technical Analyst responsible for prototyping and evaluating various technical solutions.
- Support of day-to-day and strategic use of Borland Together throughout the HM Custom and Excise e-government programme.

Ehbas 07/02-03/03

Ehbas, Brighton, UK

EHBAS was a small startup company using eXtreme Programming to develop innovative software products for the housing market.

- Developer and consultant on a small development team of three Java developers.

TogetherSoft 09/00-03/02

Professional services, USA, Europe & UK

TogetherSoft was a startup company founded by industry expert Peter Coad to promote, develop and sell the Together UML modeling tool product line. The company was purchased by Borland in 2002.

- One of four senior mentors responsible for all technical aspects of professional services at Togethersoft.
- Designed and delivered object-oriented analysis and design workshops, and consultancy services, working with project teams from companies including Cisco, and BoA in the USA, Emirates Airlines in Dubai, and Eriksson and NCH in Europe.

United Overseas Bank 06/95-08/99

Commercial Lending Project, Singapore

Written entirely in Java running on Windows NT clients and Sun Solaris servers with Oracle 8 RDBMS, this project was a large, mission critical, Java application.

- Development Team Lead leading teams of up to twenty developers applying the model-centric, agile development process, Feature-Driven Development, on a day-to-day basis.

Spectrocan Monenco 08/93-05/95

IFALMS, Singapore

The Integrated Frequency and License Management System (IFALMS) project was a business process automation project developed for the Telecommunication Authority of Singapore..

- System Engineer working at the client site in Singapore performing a wide range of development and support tasks using Oracle SQL*Forms, PL/SQL, and C on DEC VAX VMS.

Instem 1992-1993

EME/MEB, Calgary Canada, Staffordshire, UK

In 1993 East Midlands Electricity and Midlands Electricity companies undertook a program of automating previously manned electricity substations. Westronic's D20 Remote Terminal Unit (RTU) were chosen as the remote monitoring and control systems for the substations.

- Design and development of the Ferranti Mk II protocol emulation for the D20 RTU at Westronic development labs in Calgary, Canada.
- Conducting System and Customer Acceptance testing of Ferranti Mk II protocol emulation for the D20 RTU.
- Design and development of the Ferranti Mk 3 protocol emulations for the D20 RTU.
- Training and consultancy for EME staff configuring and installing D20 RTU's.

Instem 1991-1992

Aberthaw Staffordshire, UK

Development of a Supervisory Control and Data Acquisition system for the Aberthaw coal-fired power station. Each turbine was monitored and controlled by a network of 21 DEC PDP-11's running the proprietary GECB real-time language CUTLASS.

- Responsible for configuring and managing the Generic CUTLASS database and system software.

Instem 1990-1991

CSM, Staffordshire, UK

The Cable Section Monitoring project for the UK National Grid company collected and analyzed data from sections of electricity transmission cables enabling National Grid operators to optimize transmission loads across the monitored sections of the grid.

- Design and development of the communication software enabling VAX VMS servers to collect data from multiple remote units concurrently.
- Design and development of the TCP/IP based communications between the Unix workstations and VAX VMS servers.

Instem 1989-1990

LittleBrook, Staffordshire, UK

Development of a monitoring and control system for the Littlebrook oil-fired power station. The system was written in a mixture of C and FORTRAN running on VAX VMS machines using Instem's I-Range data acquisition subsystem.

- Developer responsible for implementing the interface between the FORTRAN based data analysis and display software and the C based driver software of the I-Range subsystem.

TECHNICAL PROFICIENCY

Development Environments: Tools, Languages and APIs

- UML 1.x, 2.x
- Java, C#
- XML, HTML
- Borland Together
- Borland StarTeam
- Borland CaliberRM

Certifications

- Coad Certified Mentor
...In-depth understanding and application of Peter Coad's approach to modeling, software architecting and mentoring.
- FDD Associate
Feature-driven development is an agile software development process
- Certified Scrum Practitioner
Scrum is an agile software development management approach
- Together Product Certified
Together is Borland's Eclipse-based UML modelling product

Publications

- 2002, Palmer, Felsing, *A Practical Guide to Feature-Driven Development*, Prentice-Hall PTR, ISBN: 0130676152
- 2000-2002: Editor of The CoadLetter, a monthly, online, newsletter started by industry expert Peter Coad about object-oriented software development.
- 2002: Series of five introductory articles about UML for www.informit.com, an IT information website associated with Prentice-Hall publishers.