

PAUL O'CONNELL

LEAD SOFTWARE DEVELOPMENT ENGINEER



SUMMARY

I have been involved in the software industry for nearly 20 years working in both product and consulting environments across financial services, insurance and telecom industries internationally. Interested in leadership roles where I can share my architectural and delivery experience to a wider group of customer and engineering stakeholders. As a team leader, I enjoy balancing delivery of projects with team development using agile methodologies with test driven design and continuous integration methodology to develop N-tier applications. With a MSc. Network and Distributed Systems I enjoy learning new technologies with current interests including Gatsby, Go and Spring Cloud Data.

ABOUT

 DUBLIN
DUBLIN IRELAND -

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 EMERALDJAVA

EMERALDJAVA

SPRING

ADVANCED

CORE
BOOT
BATCH
INTEGRATION
SPEL
CLOUD
DATA
SOCIAL
TEST

JAVA

ADVANCED

6.8,11
J2EE
JPA
SECURITY
CONCURRENCY
REFLECTION
TDD
SUN CERTIFIED JAVA
DEVELOPER

DEV OPS

ADVANCED

JENKINS
ANSIBLE
DOCKER
KUBERNETES

WEB

ADVANCED

SPRING MVC
ANGULAR
TYPESCRIPT
REACT
BOOTSTRAP

XML

ADVANCED

JAXB
XSL(T)
XPATH
FOP-XSL
SOAP

EXPERIENCE

MASTERCARD

CUSTOMER DATA MANAGEMENT

10/2019 - PRESENT

The Customer Data Management platform provides a set of APIs to our customers to configure their products.

- Team lead for a complex migration of data and messaging services from legacy SOAP request to cloud based REST Apis.
- Design, development and release of Spring Boot / Batch / REST / OpenApi applications with full integration test coverage.
- Automated integration and deployment pipelines using Jenkins, Docker and Ansible to Pivotal Cloud Foundry.
- Large scale data migration and processing using Apache Nifi as a platform.
- Release management and planning, interview and developer support.

MASTERCARD

COMMERCIAL

08/2017 - 09/2019

The Commercial payments group support Virtual Credit Cards allowing rules to be configured and validated in real-time to support B2B payments.

- Team lead for the InControl real time Auth message processing system.
- Design and development of features across API servers, authentication and frontend nodes.
- Supported improvements to CI/CD practices and investigating how we can apply 'automate-everything' practices to database and cloud deployments.
- Support the product and business owners to incrementally deliver business value in each iteration.

BEARINGPOINT

SENIOR TECHNICAL CONSULTANT

03/2015 - 07/2017

I worked as a Senior Java developer focused on the delivery of the Infonova R6 platform to our clients.

- Delivery of new features, support current production issues while attempting to improve processes of E2E testing and test environment support.
- Involved with a proof-of-concept project to demonstrate how our solution could be deployed to the Azure Cloud, and use vagrant / docker for internal test deployments.
- I have been asked as a mentor to junior members to the firm and team. I have been involved with the delivery of internal technical training courses.

AEGON

SENIOR SOFTWARE ENGINEER, CONTRACT

07/2012 - 12/2014

Developer for a new batch platform that generates daily hedging files for multiple products. The system was implemented using Spring Batch to allow the actuarial team to manipulate data on the fly using rules defined via Spring Expression Language.

- Extended the existing integration test framework to support reporting of code coverage metrics for all modules via Sonar on a nightly basis.

ARANTECH

SENIOR SOFTWARE ENGINEER, CONTRACT

01/2011 - 06/2012

Java Contractor working on various Customer Experience Management components in the Touchpoint and Proaction products.

- Implemented a generic entity framework to handle database operations in the core Touchpoint product.

AEGON

SENIOR SOFTWARE ENGINEER, CONTRACT

10/2009 - 10/2010

Aegon provide UK and Dutch pensions.

- Implemented a validation service that allowed for reuse of rule hierarchies across products and locales from a database configuration.

TERRANUA

SOFTWARE ENGINEER, CONTRACT

03/2008 - 09/2009

Terranua's consultancy group focused on providing a risk control system to the Fidelity organization.

- Risk Reporting: Responsible for a risk reporting system which queries risk details from a database and generates XML reports.

NORKOM

SOFTWARE ENGINEER, CONTRACT

10/2007 - 02/2008

Norkom's development group provided financial crime and compliance applications that can be deployed into various J2EE server and database environments.

- Watch List Management Day to day work involved bug fixing and small pieces of new development on various branches of this sub-project.

SERVERS

ADVANCED

TOMCAT
APACHE
JBOSS
WEBSPIRE
WEBLOGIC
GLASSFISH
JETTY

CLOUD

ADVANCED

PCF
AZURE
HEROKU

DATABASES

ADVANCED

ORACLE
POSTGRESQL
MONGO
MS SQL SERVER
INFORMIX
MYSQL
ELASTICSEARCH

BUILD/CI TOOLS

ADVANCED

GIT
MAVEN
GRADLE
ANT
JENKINS
SONAR
JACOCO
SVN
GITHUB ACTIONS
GITFLOW

PHP

ADVANCED

WORDPRESS
ZEND FRAMEWORK
COMPOSER
LARAVELL

OTHER

ADVANCED

GATSBY
KOTLIN
GO

INTERESTS

CURAM

SOFTWARE ENGINEER

Curam provide a social enterprise management solution that can be customised for various social welfare organisations across the globe.

- Worked on the Unemployment Insurance product within the workflow group which involved the full software development lifecycle on various J2EE platforms.

UBS

SOFTWARE ENGINEER

International assignment as a software developer within the Foreign Exchange IT group in Zurich, Switzerland and London, England

- Developer of real time settlement and reconciliation system for FX trading based on XML messaging over MQ.

ERICSSON

SOFTWARE ENGINEER

RANOS is an operations and management system for Ericsson's 3G telecommunications radio network system.

- Member of a framework group which provided generic server-side components.

VOLUNTEER

BUSINESS HOUSES ATHLETIC ASSOCIATION

WEBMASTER AND PAST CHAIRPERSON

The BHAA organise running races on an inter-firm basis.

- Development of a wordpress plugin for online viewing of race results and leagues.

EDUCATION

TRINITY COLLEGE DUBLIN

MASTERS M.SC NETWORK AND DISTRIBUTED SYSTEMS

- Dissertation Title: Collaborative Ad-hoc trust based security in ad-hoc JINI systems.
Applications - An investigation into the use of

TRINITY COLLEGE DUBLIN

DEGREE B.A.I IN COMPUTER AND ELECTRONIC ENGINEERING, B.A IN ENGINEERING MATHEMATICS

- Final Year Project Title: Digital Filtering System for Internet Telephony.

AWARDS

PUBLICATIONS

PUBLICATION

TRINITY COLLEGE DUBLIN

Collaborative Ad-hoc Applications

REFERENCES