Paul O'Connell
Lead Software Development Engineer

Contact

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About

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.

Profiles

GitHub
emeraldjava

Stackoverflow
emeraldjava

Work

Mastercard   October 2019 — Now

Customer Data Management

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

Highlights

- 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   August 2017 — September 2019

Commercial

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

Highlights

- 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   March 2015 — July 2017

Senior Technical Consultant

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

Highlights

- 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
July 2012 — December 2014

Senior Software Engineer, Contract

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.

Highlights

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

Arantech
January 2011 — June 2012

Senior Software Engineer, Contract

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

Highlights

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

Aegon
October 2009 — October 2010

Senior Software Engineer, Contract

Aegon provide UK and Dutch pensions.

Highlights

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

Terranua
March 2008 — September 2009

Software Engineer, Contract

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

Highlights

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

Norkom
October 2007 — February 2008

Software Engineer, Contract

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

Highlights

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

Curam
September 2006 — September 2007

Software Engineer

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

Highlights

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

UBS
January 2003 — May 2006

Software Engineer

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

Highlights

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

Ericsson
October 2000 — December 2002

Software Engineer

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

Highlights

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

Skills

Spring

- Core
- Boot
- Batch
- Integration
- SpEL
- Cloud
- Data
- Social
- Test

Java

- 6,8,11
- J2EE
- JPA
- Security
- Concurrency
- Reflection
- TDD
- Sun Certified Java Developer

Dev Ops

- Jenkins
- Ansible
- Docker
- Kubernetes

Web

- Spring MVC
- Angular
- Typescript
- React
- Bootstrap

XML

- JAXB
- XSL(T)
- XPath
- FOP-XSL
- SOAP

Servers

- Tomcat

Cloud

- PCF

- Apache
- JBoss
- Websphere
- Weblogic
- Glassfish
- Jetty

- Azure
- Heroku

Databases

- Oracle
- Postgresql
- Mongo
- MS SQL Server
- Informix
- MySql
- ElasticSearch

Build/CI Tools

- GIT
- Maven
- Gradle
- ANT
- Jenkins
- Sonar
- Jacoco
- SVN
- Github Actions
- Gitflow

PHP

- Wordpress
- Zend Framework
- Composer
- Laravell

Other

- Gatsby
- Kotlin
- Go

Education

Trinity College Dublin   September 1999 — September 2000

🎓 **M.Sc Network and Distributed Systems**
   Masters

Courses

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

Trinity College Dublin   September 1995 — June 1999

🎓 **B.A.I in Computer and Electronic Engineering, B.A in Engineering Mathematics**
   Degree

Courses

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

Volunteer

Business Houses Athletic Association   January 2010 — Now

Webmaster and past Chairperson   http://bhaa.ie/

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

Highlights

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

Publications

Publication   September 2000

Published by **Trinity College Dublin**   View publication

Collaborative Ad-hoc Applications