Paul O'Connell
Lead Software Development Engineer

emerald----@------mail.com

Dublin, Ireland, Ireland

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.

Experience

Lead Software Development Engineer - Customer Data Management
Oct 2019 - Present

The Customer Data Management group provides a single set of API 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.

Lead Software Development Engineer - Commercial
Aug 2017 - Sep 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.

Senior Technical Consultant
Mar 2015 - Jul 2017

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

· Senior Dev, Team Lead and Scrum Master at various times during this engagement.
· 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.

Senior Software Engineer, Contract
Jul 2012 - Dec 2014

Chief Designer and 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.

· Involved with user Acceptance Testing and Live production releases.
· Extended the existing integration test framework to support reporting of code coverage metrics for all modules via Sonar on a nightly basis.

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
Angular2
Typescript
React
Bootstrap

XML
JAXB
XSL(T)
XPath
FOP-XSL
SOAP

Servers
Tomcat
Apache
JBoss
Websphere
Weblogic
Glassfish
Jetty

Cloud
PCF
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

Senior Software Engineer, Contract   Jan 2011 - Jun 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.
· Created a test framework for integration and system testing of the product.
· Introduced the use of the sonar code quality engine to the organisation.

Senior Software Engineer, Contract   Oct 2009 - Oct 2010

Java Contractor within the Aegon office providing support for UK and Dutch pension providers.

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

Software Engineer, Contract   Mar 2008 - Sep 2009

Java Contractor within 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 creates an XML report
· There are then transformed via XSL to HTML and Word formats for user preview and printing.

Software Engineer, Contract   Oct 2007 - Feb 2008

Java Contractor within Norkom's development group which delivered a financial crime and compliance application 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.

Software Engineer   Sep 2006 - Sep 2007

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.
· Implementation of a unit testing framework and tools to auto-generate unit test stubs from the project model.
· Maintenance of the smoke test and continuous integration systems.

Software Engineer   Jan 2003 - May 2006

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

· ZFM is a real time settlement and reconciliation system based on XML messaging over MQ. As Project Leader responsibilities included the design and implementation of an API, the planning and co-ordination of development and testing, both within our group and with other departments.
· The system consists of various java applications communicating via XML and MQ. A web-based tool supports tracking and supervision of messages within the system.
· eBus provides a consolidated view of all deal confirmation messages within the FX trading platform.
· As project lead I was responsible for the design of a common message specification, implementation with XML/XSL over MQ, and the co-ordination of the testing and release phases.

Software Engineer   Oct 2000 - Dec 2002

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.

Education

Masters, M.Sc Network and Distributed Systems
Trinity College Dublin

Degree, B.A.I in Computer and Electronic Engineering, B.A in Engineering Mathematics
Trinity College Dublin

Awards

References

Interests

Links

Publications

Publication   Sep 2000
Trinity College Dublin

Collaborative Ad-hoc Applications

Volunteer

Webmaster and past Chairperson   Jan 2010 - Present
Business Houses Athletic Association

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

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