

DENIS MURPHY

Co. Kerry, Ireland

<https://github.com/denismurphy> ◇ denismurphy@me.com

OVERVIEW

Experienced software engineer in various languages and platforms, passionate about learning new technologies. Proven track record of delivering reliable software and taking on new challenges.

WORK EXPERIENCE

Dairymaster, Co. Kerry

May 2016 - Current

Software Engineer

- Designed new microservices landscape for DairyVue360 platform, implementing a scalable and reliable cloud infrastructure using AWS with Kubernetes and Terraform.
- Established and managed a monitoring stack with alerting using Prometheus, Grafana, and AWS CloudWatch.
- Implemented and managed CI/CD pipelines using GitLab, including automated API smoke tests and performance tests.
- Conducted weekly blue team security operations on AWS infrastructure, proactively mitigating security risks.
- Led end-to-end development of mission-critical farm management solutions, including DM LiveVue (real-time touchscreen app), SwiftCool APIs (remote milk tank monitoring), DataSync (bi-directional cloud synchronization), and DairyVue 360 iOS app (SwiftUI), significantly enhancing operational efficiency and modernizing legacy systems.

Quest Computing, Dublin

November 2012 – May 2016

Software Engineer

- Monitoring and maintaining a large public sector production environment in a government data center.
- Migrated legacy Apache Struts and JavaEE systems to Spring Boot, enhancing system performance and maintainability.
- Refactored large PL/SQL packages into modern APIs, adopting a service-oriented architecture.
- Automated log monitoring on HSE production applications.

UTS Insearch, Sydney

April 2015 – January 2016

Independent Contractor

- Designed and developed a mobile-first website aimed at the Chinese-speaking market in China, Taiwan, and Hong Kong, increasing international student engagement.

BSB (Business Solutions Builders), Dublin

January 2011 – August 2012

Junior Software Engineer

- Contributed to the Soliam Team by adding new functionality to Back Office, Front Office, and in-house data warehouse applications.
- Developed and refactored solutions for clients such as AXA, BNP Paribas, Societe Generale, and Ethias, improving system efficiency and reliability.

Microsoft, Dublin

March 2010 – May 2010

Intern

- Interned in the Sales, Marketing, and Services Group (SMSG) for EMEA, attending Microsoft conferences, promoting Microsoft technologies on college campuses, and receiving training on Microsoft stack, including Azure, .Net Framework, and Team Foundation Server.

Microsystems, Chicago, IL

May 2007 - November 2007

Intern

- Worked on DocXtools and D3, focusing on converting Microsoft Office Documents to the Microsoft Open XML format.
- Created XSLT templates for parsing documents, which were later integrated into production systems.

TECH STACK

Cloud: Kubernetes, ECS, Docker, IAM, Terraform, DynamoDB, SQS, SNS, RDS, CloudWatch**Programming Languages:** *Java, C#, Kotlin, Python, TypeScript, Swift, Go, Rust, Objective-C***Frameworks:** Spring Boot 3, .NET Aspire, SwiftUI, Angular, Bootstrap**Other Technologies:** Linux, MySQL, MQTT, Protocol Buffers, Redis, Prometheus, Grafana, GitLab CI/CD**EDUCATION AND CERTIFICATION**

MongoDB for Java Developers*Oct 2013 – Dec 2013*

MongoDB, Document-Oriented Database, JSON, BSON

Functional Programming in Scala*Sep 2013 – Nov 2013*

Functional Programming, Pattern Matching, Lazy Evaluation, Sbt

SpringSource Certified Spring Professional*Jan 2013 – Jul 2013*

Spring Boot, Spring MVC, Spring Security, Spring Data

Oracle Certified Professional Java Programmer (SCJP)*Oct 2010 – Jan 2011*

Java, JavaEE

BSc (Hons) in Computing with Multimedia*Sep 2005 – Jun 2010*

Algorithms, Design Patterns, Data Structures, OOAD, Compilers

REFEREES

Edmond Harty: Vice-President Engineers Ireland, Adjunct Full Professor UCD.**Adrian Hynes:** Director Cloud Engineering, Fidelity Investments.**Tom O'Sullivan:** CEO, Microsystems, Chicago, IL.**Ed Sheldon:** Lecturer in Computer Science, Munster Technological University.

References available upon request.



MongoDB
UNIVERSITY

CERTIFICATE

Dec. 2nd, 2013
MongoDB 2.4

This is to certify that

Denis Murphy

successfully completed

M101J: MongoDB for Java Developers

a course of study offered by MongoDB Inc

Max Schireson
Chief Executive Officer
MongoDB, Inc.

Andrew Erlichson
Vice President, Education
MongoDB, Inc.

Authenticity of this certificate can be verified at <http://education.mongodb.com/downloads/certificates/158ee142f17e415a9956d493edeb783e/Certificate.pdf>

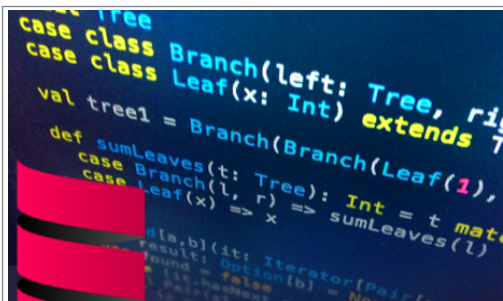
NOVEMBER 26, 2013

Statement of Accomplishment

WITH DISTINCTION

DENIS MURPHY

HAS SUCCESSFULLY COMPLETED THE ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE'S ONLINE OFFERING OF



Functional Programming Principles in Scala

This advanced undergraduate programming course covers the principles of functional programming using Scala, including the use of functions as values, recursion, immutability, pattern matching, higher-order functions and collections, and lazy evaluation.

A handwritten signature in black ink that reads "Martin Odersky".

MARTIN ODERSKY
PROFESSOR OF COMPUTER SCIENCE
ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

DISCLAIMER : THIS ONLINE OFFERING DOES NOT REFLECT THE ENTIRE CURRICULUM OFFERED TO STUDENTS ENROLLED AT ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE. THIS DOCUMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE STUDENT IN ANY WAY; IT DOES NOT CONFER A ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE CREDIT; IT DOES NOT CONFER A ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE DEGREE OR CERTIFICATE; AND IT DOES NOT VERIFY THE IDENTITY OF THE INDIVIDUAL WHO TOOK THE COURSE.



VMware is proud to award the title of

SpringSource Certified
Spring Professional

to

Denis Murphy

in recognition of successful completion
of all certification requirements for
Spring Framework 3

A handwritten signature in black ink, appearing to read 'Pat Gelsinger', is positioned above a horizontal line.

PAT GELSINGER, CHIEF EXECUTIVE OFFICER



ORACLE®

Certified Professional

THIS CERTIFIES THAT

Denis Murphy

IS RECOGNIZED BY

THE ORACLE CERTIFICATION PROGRAM AS AN

Oracle Certified Professional, Java SE 6 Programmer

January 28, 2011

Date

John L. Hall

Senior Vice President, Oracle Corporation



Institiúid Teicneolaíochta, Trá Lí
Institute of Technology, Tralee



De thairbhe an údaráis a thairmlig Comhairle na nDámhachtainí Ardoideachais agus Oiliúna de réir Alt 29, d'Acht na gCáilíochtaí (Oideachas agus Oiliúint), 1999 uirthi, bronnann an Institiúid ar

The Institute, by virtue of the authority delegated to it by the Higher Education and Training Awards Council under Section 29 of the Qualifications (Education and Training) Act, 1999, has conferred on

Denis Murphy

An Dámhachtain / the Award of

Bachelor of Science (Honours)

in

Computing with Multimedia

Second Class Honours Grade 1

Dáta Bronnta / Date of Award

17 June 2010



Uachtarán/President

Institiúid Teicneolaíochta, Trá Lí, Éire
Institute of Technology, Tralee, Ireland