

DENIS MURPHY

Co. Kerry, Ireland

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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

- Main responsibilities include conducting analysis, design, selecting technologies, and implementing customer facing solutions.
- Led the design and development of DM LiveVue, a mission-critical realtime touchscreen application used by farmers, improving parlour efficiency.
- Architected and implemented SwiftCool API's, enabling remote monitoring of milk tanks.
- Spearheaded development of DataSync, ensuring seamless bi-directional data synchronisation between farm and cloud.
- Developed the DairyVue 360 iOS app using SwiftUI, successfully replacing the legacy MooMonitor app built in Objective-C.
- Conducted weekly blue team security operations on AWS infrastructure, proactively mitigating security risks.

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, EC2, DynamoDB, SQS, S3, SNS, RDS**Programming Languages:** *Java, C#, Python, TypeScript, Swift, Go, Rust, Kotlin, Objective-C***Frameworks:** .Net 8, Spring Boot, SwiftUI, Angular, Bootstrap**Other Technologies:** Linux, MySQL, MQTT, Protocol Buffers, Redis**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.