

# Conor O'Mahony

## SUMMARY

- o 10+ years experience developing software applications as a Java Software Engineer, with 3 years experience as a Senior Java Software Engineer.
- o Achieved a PhD in Computer Science from University College Cork.
- o Recently completed an online Honours Degree in "Digital Technology, Design and Innovation", in the Web Application Developer Stream (expected First Class Honours)

## EDUCATION

### **B.Sc. Hons. in Digital Technology, Design and Innovation**

Oct 2017-Oct 2018

Dublin Institute of Technology & Digital Skills Academy.

- o *Course Modules:*  
User Experience (UX) and Solutions Design; Innovation and Agile Development; Front-End Development for Web and Mobile I/II; Mobile and Device Development I/II; MVC Application Frameworks; Computational Thinking; Industry Entrepreneurship, Creativity and Innovation.
- o *Technologies, tools and methodologies used include:*
  - Responsive Web Design, HTML/HTML5, CSS/CSS3, JavaScript, Web Storage API
  - Bootstrap 3/4, jQuery, jQuery Mobile, SASS CSS preprocessor, React.js and JSX.
  - WAMP stack, Object-oriented PHP, MySQL, CodeIgniter MVC framework, XAMPP.
  - Microsoft Visual Studio Code, Git/Github, XML, JSON, npm, Webpack, Gulp.
- o Successfully pitched an idea as part of the International Entrepreneurial Team Projects module, and developed the idea with a team by applying practical learnings from that module, such as Business Model Canvas Development, Customer Development and Lean Start-up.
- o Effectively remotely collaborated with other project team members distributed across Europe, in the UK and Switzerland, using online collaboration and management tools, such as Trello, Slack, Google Hangouts, Google Drive and Google Suite.

### **Ph.D. in Computer Science**

Oct 2009-Oct 2013

Cork Constraint Computation Centre, University College Cork.

- o Completed a Ph.D. in reasoning with partially ordered preferences in various decision making fields, such as multi-criteria decision making and decision making under uncertainty.
- o Implemented a soft constraints application in Java to solve soft constraints problems and compare different branch and bound algorithms developed during the course of the research.
- o Involved frequent collaboration with academic partners, self-motivated academic research, writing of technical papers using  $\text{\LaTeX}$  and preparing and presenting at academic conferences.
- o Developed self-management skills to effectively manage own time, deadlines and direction.

### **M.Sc. in Multimedia Technology (First Class Honours)**

2002-2004

University College Cork

### **B.Sc. in Computer Science (First Class Honours)**

1996-2000

University College Cork

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## WORK EXPERIENCE

### Java Software Engineer/Senior Java Software Engineer Java Software Engineer

Pilz Ireland Industrial Automation Ltd., Model Farm Rd., Cork.

Oct 2013-Jan 2018  
Aug 2006-Sep 2009

- o Developed Java and Eclipse based software applications for configuring safety in PLC and Motion Control hardware used in industrial automation systems.
- o Collaborated with other development team members and stakeholders in Scrum and scaled Scrum environments, developing features and user stories.
- o Actively participated in Scrum ceremonies such as daily Scrum, backlog grooming, planning meetings, and Sprint reviews and retrospectives.
- o *Technologies, tools and methodologies used include:*
  - Java 5-8 SE, Eclipse IDE, Eclipse RCP (Rich Client Platform), EMF (Eclipse Modelling Framework), GEF (Graphical Editing Framework), SWT/JFace UI toolkits.
  - TDD (Test Driven Development), JUnit 3/4 test framework, GWT (Google Window Tester), RCP UI Testing toolkit.
  - Git, Subversion, Phabricator Differential, Yodiz Agile Project Management Tools, Wiki, UML (Enterprise Architect/Eclipse Papyrus),
- o Promoted to Senior Java Software Engineer in January 2015.
- o Attended in-house training in Agile methodologies and Scrum.
- o Selected to be involved in recruitment process interviewing and recruiting new graduates.
- o Contributed minor bug reports and fixes to open source projects at eclipse.org.
- o Member of Sports and Social committee organising company and sports and social events.

### IT Helpdesk Support Specialist

Siemens Business Services, Penrose Wharf, Cork.

Sep 2004-Apr 2006

- o Provided IT technical support on the phone, troubleshooting and solving IT problems.

## OTHER QUALIFICATIONS AND COURSES

- o "JavaScript: Understanding the Weird Parts" - Online course on Udemy.com (Mar 2018).
- o "Fundamentals of Graphic Design" - Online course on Coursera.com, by California Institute of the Arts (Sep 2017)
- o "Sun Java Certified Programmer 1.4" - (Exam CX-310-035) - Sun Microsystems (May 2004).
- o Leaving Certificate (535 Points) - Scoil Mhuire, Ballingeary, Co. Cork.

## INTERESTS

- o Enjoy physical exercise, yoga, playing soccer and tag rugby.
- o Playing guitar, going to gigs, photography, films, reading, meditation, and walking.

## REFERENCES

- o Dr. Nic Wilson, Insight Centre for Data Analytics, University College Cork.  
nic.wilson@insight-centre.org
- o Timothy O'Leary, Senior Software Development Engineer, Forcepoint, One Albert Quay, Cork.  
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