

# Daniela RADU



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*Trustworthy, technology & Agile enthusiast, keen to apply proven skills and expertise to efficiently deliver great products. Analytical, creative, resourceful, driven, consultative or assertive as needed to ensure progress on agreed targets, using the power of example and clear communication. Proactively supporting forming teams and improving processes.*

## Professional Experience

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**Jul 2019 – present Senior Software Consultant & Director Cambridge Agile Technology (Cambridge, UK)**  
Building on entrepreneurial drive and a solid software development experience with validated Agile and DevOps practices, I founded Camgile® to offer my technical and leadership services to clients requiring external support for a boost in results. We pride ourselves with reliable, pragmatic, technical solutions and business value-added, serving genuine needs. As a Certified Scrum Master, I give teams the practical support to adopt tailored Agile practices and empower people to leverage their strengths, while also seeking continuous improvement. Hands-on development projects keep me up-to-date with technology, for relevant services and good communication with technical people.

**Apr 2023 – July 2023** Software development project for **Silicon Microgravity** bash scripting for a custom embedded OS image (Debian) and web development (nodejs, html, css, cypress) for a PoC UI; run focus group for early feedback

**Sept 2021 – July 2022** Agile transformation & delivery project for Systems Intelligence CoE in **Xylem**, coordinated their IoT platform teams (distributed across continents); I guided their adoption of best development practices, helped organize the scrum teams and deliverables, identified skills gaps and supported with recruitment, established a product function, CI pipeline and test automation, implemented reliable processes for support, releases and security updates, managed communication, improved relationship with external stakeholders and brought projects on track, supported product ownership, technical architecture, and proposed team structure in the light of upcoming workload.

**Jan 2020 – Sept 2021** Agile leadership adoption advisor for the executive team at **PitPatPet**; offered practical guidance to the mobile development team as part-time coach, scrum master, release manager and product owner

**Oct 2019 - Feb 2020** Cloud software development for **Trustonic**, implemented and load-tested (with Jmeter) secure RESTful APIs as SpringBoot microservices; these were run together with the Id Provider as docker containers on K8s.  
*Tech stack: Java, python, Spring, Docker, Kubernetes, AWS, Keycloak/Auth0, Kafka, gradle/maven, git, bitbucket, JIRA*

**Oct 2017 – Jun 2019 Agile Delivery Lead Origami Energy (Cambridge, UK)**

I championed the Agile transformation across the development teams (~30 engineers FE/BE developers, QA & DevOps in UK and Poland) and successfully coordinated the rewriting of the energy platform for the cloud as maintainable, distributed and scalable microservices. I contributed with pragmatic yet future-proof technical solutions to meet ambitions timelines, while keeping system operational. Roles played: (Technical) Product Owner, Scrum Master, Release Train Manager, DevOps Engineer, Site Reliability Engineer and Software Engineer. *Tools and technologies: Java, Spring, gradle, Docker, Kubernetes, ADFS/Keycloak, Azure/AWS, S3, RDS, Cassandra, Kafka (Confluent), Zookeeper, python, bash, vert.x, git, gitlab, JIRA.*

**Jun 2016 – Sept 2017 Senior Research Engineer Origami Energy (Cambridge, UK)**

Defined and developed Python modules for the stochastic optimisation of industrial electrical assets' use; proposed, developed and led a team of four in the implementation of heuristic solvers, integrated with the existing energy platform to present the decision-support solution. *iPython notebooks, python, Jenkins, Docker, bash, git, Bitbucket.*

**Jul 2015 – Jun 2016 Software Engineer Origami Energy (Cambridge, UK)**

Development of RESTful APIs and microservices forming a platform for connected energy assets. Data was served by SQL and non-SQL databases. For efficient collaborative development, I introduced the team to DevOps tools. I also represented the company in recruitment fairs, helped with website updates and volunteered as fire warden and first aider. *Technologies and tools: Java, gradle, Artifactory, Jenkins, Gerrit, git, GitLab, MariaDB, Cassandra.*

**Dec 2013 – Jun 2015 Software Engineer Toshiba Medical Visualization Systems (Edinburgh, UK)**

Development of regulated software to handle medical records including imaging; used unit tests, peer reviews, complex automated builds (Powershell, Gradle, Jenkins), integration and regression testing for frequent releases. The main project was Java RESTful APIs, part of the visualisation server platform, managing medical evidence. Maintained a C++ client library to offer a programmatic interface to the REST APIs. Volunteer in the social committee, the environmental working group, fire warden. *Tech: Spring, Hibernate, MySQL, C++ and DICOM (medical standard).*

Nov 2012 – Dec 2013 **Software Engineer**

**Arrayjet** (Edinburgh, UK)

Development of *C++/MFC* applications enabling custom-printing for Arrayjet's manufactured microarrayer (life-science instrument). Usability, flexibility and robustness improvements were proactively proposed and developed. Brief development on *FPGA and PLC logic* to enable recovery functionality. I also took IT responsibilities, including email server setup, implementation of rsync backups, file-sharing system on Ubuntu server, and desktop support.

Apr 2011 – Aug 2011 **Engineering Intern**

**Ecole Supérieure d'Electricité, SUPELEC** (Metz, FR)

Part of the research project *Second Smart Space* developing a comprehensive multi-robot simulation, the internship covered middleware to couple a robot motion simulator with a network simulator. *C++, Java, Ubuntu and Fedora*.

2009 – 2011 **IT support**

**Research Centre for Macromolecular Materials & Membranes** (Bucharest, RO)

Part time support with general desktop support, server maintenance, website development; organised and recorded the technical and financial archives; marketing activities at international conferences, won multiple prizes and medals.

## Volunteering

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Jul 2019 – present

**Time to Change Champion**

**Mind**

I am a keen supporter of destigmatising mental health and opening up to address any problems in their infancy.

Oct 2013 – Jun 2015 **Committee member**

**IET Scotland SE Young Professionals**

Organized events for engineering students and young professionals, promoting them to the relevant audience.

## Continuous Learning

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Apr 2019 – July 2019 **Impulse Programme**

**Maxwell Centre, University of Cambridge**

Structured entrepreneurial learnings for technical innovators, including IP protection, business plan formulation, marketing strategies, personality profiling and team forming, and pitching for investment.

Apr 2018

**Certified Scrum Master**

**Scrum Alliance**

This formalised the learnings I had acquired over six years of practical experience in software product development.

## Formal Education

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Sept 2011 – Aug 2012

**MSc Computer Science**

**University of Edinburgh**

1<sup>st</sup> Class with Distinction. Specialisation: *High Performance Computing*. Dissertation: *Indoor navigation on Android*.  
Courses: *Advanced Distributed Databases, Applied Machine Learning, Software Architecture and Processes Management, Extreme Programming, Software Testing*.

Sept 2007 – Aug 2011

**BEng Automated Control**

**Politehnica University of Bucharest**

Solid base in automation: signal processing, control systems, low- and high-level programming, web development, data handling. Specialisation: *Applied Informatics*. Dissertation: *Coupling simulators (Second Smart Space)*.

## Scholarships and Prizes

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**Employee of the Quarter**

**Origami Energy**

2018

**1<sup>st</sup> Prize**

**IET Scotland SEYP Present Around the World**

2012

**1<sup>st</sup> Prize Overall Winner**

**Google Interactivism Hack Weekend**

2012

**Erasmus Grant**

**European Union**

2011

**School of Informatics Award**

**University of Edinburgh**

2011

**Excellence Scholarship**

**Politehnica University of Bucharest**

2010

**Economics for Leaders Summer School**

**Junior Achievement Romania**

2005

## Transferable skills

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- ✓ **Self-starter, with a growth mindset, keen continuous learner, yet selective to relevant aspects;**
- ✓ **Analytical thinking, complex problem solving, and creativity;**
- ✓ **Clear, concise and action-focused communication, engaging playback to mitigate risk of miscommunication;**
- ✓ **Focus on product, efficiency and maximisation of value creation (80/20 rule & cost-benefit analysis);**
- ✓ **People-oriented leadership, empathy, ability to support and motivate teams.**