



*Enthusiastic, keen to apply proven skills and expertise to efficiently deliver great products. Analytical, creative, resourceful, driven and consultative or assertive as needed to ensure progress on agreed targets, through clearly communicated strategy and power of example, proactively supporting the team and improving processes along the way.*

## Professional Experience

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**Senior Software Engineer**                      **Cambridge Agile Technology** (Cambridge, UK)                      Jul 2019 – present  
Building on solid software development expertise and validated Agile and DevOps practices, I founded Camgile™ to offer technical and leadership services to clients requiring external professional support and a boost in results. We define and deploy pragmatic technical solutions and add value to products serving genuine customer needs. As a Certified Scrum Master, I passionately advocate for an Agile mindset, empowering people to leverage their strengths, continuously improve and deliver value at pace. On hands-on development projects, I practice what I preach.  
Sept 2021 – present Engineering Manager for Systems Intelligence Center of Excellence in **Xylem**, supporting the development teams to adopt best practices, coordinate customer support, releases, component & product ownership.  
Jan 2020 – Sept 2021 Agile leadership support to the executive team at **PitPatPet** and practical guidance to the mobile app development team as part-time coach, scrum master, release manager and part product owner.  
Oct 2019 - Feb 2020 Cloud software development for **Trustonic**, implemented and load tested *secure RESTful APIs*, SpringBoot microservices and Keycloak, run as docker containers on Kubernetes; *Jmeter performance tests*.  
*Tech stack: Java, python, Spring, Docker, Kubernetes, Keycloak, Auth0, Jmeter, gradle, maven, git, bitbucket, JIRA.*

**Agile Delivery Lead**                                      **Origami Energy** (Cambridge, UK)                                      Oct 2017 – Jun 2019  
I championed the Agile transformation across the development teams (~30 people in UK and Poland) and successfully led the rewriting of Origami's platform on a maintainable, distributed and scalable cloud microservices architecture. I contributed with pragmatic yet future-proof 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.*

**Senior Research Engineer**                                      **Origami Energy** (Cambridge, UK)                                      Jun 2016 – Sept 2017  
Defined and developed Python modules for the stochastic optimisation of electrical assets' use; proposed, developed and lead 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.*

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

**Software Engineer**                                      **Toshiba Medical Visualization Systems** (Edinburgh, UK)                                      Dec 2013 – Jun 2015  
Development of regulated medical software, using unit testing, peer reviews, complex automated builds (Powershell, Gradle, Jenkins), integration and regression testing to support regular integration and delivery. The main project was Java RESTful APIs, part of the visualisation server platform, for managing medical evidence. Maintained a C++ client library to offer a programmatic interface to the REST APIs. I volunteered in the social committee, the environmental working group and as fire warden. *Technologies: Spring, Hibernate, MS SQL, C++ and DICOM (medical standard).*

**Software Engineer**    **Arrayjet** (Edinburgh, UK)    Nov 2012 – Dec 2013  
Maintenance and development of C++/MFC applications to enable custom-printing on life-science instruments. Usability, flexibility and robustness improvements were actively proposed and developed. Brief development on FPGA and PLC logic to enable recovery functionality. I also took IT responsibilities, including setup of email server, definition and implementation of rsync backups, file-sharing system on Ubuntu server and general desktop support.

**Engineering Intern**                      **Ecole Supérieure d'Electricité, SUPELEC (Metz, FR)**                      **Apr 2011 – Aug 2011**  
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 on Ubuntu and Fedora.

**IT support**                      **Research Centre for Macromolecular Materials & Membranes (Bucharest, RO)**                      **2009 – 2011**  
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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**Time to Change Champion**                      **Mind**                      **Jul 2019 – present**  
In a world where we are stretched and under great constant pressure, I advocate to open up about mental health, destigmatise such conversations and address problems ahead of becoming too hard to resolve.

**Team Member**                      **MedTechBoost**                      **Sept 2019**  
Lean start-up hands-on workshop with applications in the fields of mental health and healthy aging.

**Committee member**                      **IET Scotland SE Young Professionals**                      **Oct 2013 – Jun 2015**  
Organized events for engineering students and young professionals and promoted them to the relevant audience via the local network's website and social media channels.

## Education and Continuous Learning

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**Impulse Programme**                      **Maxwell Centre, University of Cambridge**                      **Apr 2019 – July 2019**  
Entrepreneurial lessons for technical innovators, structured presentations and workshops for business plan formulation, IP protection, marketing strategies, personality profiling and pitching for investment.

**Certified Scrum Master**                      **Scrum Alliance**                      **Apr 2018**  
Certification issued after attending Mike Cohn's Scrum Master course. This formalised the learnings and beliefs I naturally developed over six years of experience in software product development.

**MSc Computer Science**                      **University of Edinburgh**                      **Sept 2011 – Aug 2012**  
1<sup>st</sup> Class with Distinction. Specialisation: *High Performance Computing*. Dissertation: *Indoor navigation on Android devices*. Courses: *Advanced Distributed Databases, Applied Machine Learning, Software Architecture and Processes Management, Extreme Programming, Software Testing*.

**BEng Automation**                      **Politehnica University of Bucharest**                      **Sept 2007 – Aug 2011**  
A solid base in the technical field of automation from signal processing and control systems theory, to low-level and high-level programming, web development and data handling. Specialisation: *Applied Informatics*. Dissertation: *Coupling simulators for more realistic representation of reality (Second Smart Space)*.

## Scholarships and Prizes

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<b>Employee of the Quarter</b>	<b>Origami Energy</b>	<b>2018</b>
<b>1<sup>st</sup> Prize</b>	<b>IET Scotland SEYP Present Around the World</b>	<b>2012</b>
<b>1<sup>st</sup> Prize Overall Winner</b>	<b>Google Interactivism Hack Weekend</b>	<b>2012</b>
<b>Erasmus Grant</b>	<b>European Union</b>	<b>2011</b>
<b>School of Informatics Award</b>	<b>University of Edinburgh</b>	<b>2011</b>
<b>Excellence Scholarship</b>	<b>Politehnica University of Bucharest</b>	<b>2010</b>
<b>Economics for Leaders Summer School</b>	<b>Junior Achievement Romania</b>	<b>2005</b>

## Transferable skills

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- ✓ **Self-starter, keen, quick and selective learning of relevant aspects;**
- ✓ **Analytical thinking, creativity and complex problem solving;**
- ✓ **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.**