DANIELA RADU
Software Consultant

PROFILE

An enthusiastic person, keen to apply my skills and lessons learned in helping other companies efficiently deliver great products.

As a technical problem-solver, I propose pragmatic solutions and pride myself with the contribution I had on products which serve a real customer need. I also enjoy working with other talented people, nurture knowledge sharing and support them to adopt best tools and development practices for enhanced collaboration and delivery of high-quality, maintainable products.

As a Certified Scrum Master, I passionately advocate for embracing Agile and I have a track record of applying coaching, leadership and technical skills in Scrum and Kanban teams with good results.

I am analytical, creative, resourceful, driven, supportive, consultative or assertive as needed to ensure progress on commonly agreed target, through a clearly communicated way forward, supporting other team-members in getting there and improving processes along the way to ensure joint success.

CONTACT

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HOBBIES

Continuous Learning
Cycling
Camping

WORK EXPERIENCE

Cambridge Agile Technology, Cambridge, UK
[July 2019 - present] – Agile/Software Consultant
Technical back-end solutions, Java/Python implementation, test, DevOps and process improvements, deployment, maintenance and support.

Origami Energy, Cambridge, UK
[November 2017 – June 2019] – Agile Delivery Lead
Led a 25-people technical department in the ambitious project of re-developing the energy trading platform for the cloud (on Kubernetes running initially on Azure, then AWS), in a scalable, maintainable and distributed micro-services architecture. We decided to use novel technologies (vert.x, Spring, gitlab CIs, docker, ADFS/Keycloak) and modern infrastructure (Kubernetes, RDS, Kafka, Cassandra). I championed the adoption of Agile practices: inspired a product-focus and results-driven mindset; provided bespoke practical solutions with wholistic view on people, system and processes to establish regular delivery of high-quality product to customer. I proactively identify and mitigate risks, engaging resourceful problem-solving (on both technical and people matters). The main responsibilities were release management and on-time delivery, but I also acted as a Scrum Master across the four teams, promptly removing blockers even if this meant product owning, defining architectural solutions, DevOps engineering, software development and peer reviewing, operational support in defect triage, investigation and fixing of critical defects (System Reliability Engineer).

[July 2015 – June 2016] – Senior Research Engineer
My role evolved from developing Python modules for the stochastic optimisation project, to proposing, developing and leading the small research team in the implementation of practical heuristic solvers which we then integrated with the rest of the energy trading platform.

[July 2015 – June 2016] – Software Engineer
Development of APIs and microservices forming a Java platform for connected energy assets. Data was served by SQL (MariaDB) and non-SQL databases (Cassandra). For efficient collaborative development, I introduced the team to DevOps tools (Gradle, Artifactory, Jenkins, Gerrit, JIRA). I represented Origami in recruitment fairs, helped with website updates and trained as fire warden and first aider.

Toshiba Medical Visualization Systems Europe, Edinburgh, UK
[December 2013 – June 2015] – Software Engineer
Development of highly regulated medical software, using unit testing, peer reviews, complex automated builds (Powershell), integration and regression testing to support continuous integration and delivery. The main project was a Java RESTful API, part of the visualisation server platform, managing medical evidence. Technologies: Spring, Hibernate, MSQL and DICOM (medical standard). Maintained a C++ client library to offer an interface to the REST API. Volunteered in the environmental working group. Fire warden.

ArrayJet, Edinburgh, UK
[October 2012 – December 2013] – Software Engineer
Maintenance and development of C++/MFC applications to enable custom-printing from three instruments for life-science applications. Usability, flexibility and robustness improvements were actively proposed and developed. Brief development on FPGA and PLC logic enabled the still-

praised recovery functionality. I also happily took IT responsibilities, including setting up an email server, defining and implementing rsync backups and a file-sharing system on a Ubuntu server and offered general desktop support.

Ecole Supérieure d'Electricité (SUPELEC), Metz, France
[Apr 2011 – Aug 2011] – internship (Bachelor in Engineering thesis)
Part of research project "Second Smart Space", a robots simulation prototype was improved, middleware was developed to couple this with a network simulator. Used object-oriented programming in C++ and Java.

VOLUNTEERING

Mind – Time to Change Champion
[July 2019 – present]
Create mental-health awareness, support people through stressful times.

IET Scotland SE Young Professionals – Committee member
[October 2013 – June 2015]
Organized events for students and young professionals and updated local network's social media accounts and web site to announce these.

EDUCATION

University of Cambridge – Impulse Programme
[May 2019 – July 2019]
Entrepreneurial lessons for technical innovators, structured presentations from business plan, IP and marketing strategies to pitching for investment.

Scrum Alliance – Certified Scrum Master
[June 2018]
Mike Cohn's SM training formalized the learnings and beliefs that I naturally gathered for myself over the last years of practical experience.

University of Edinburgh – MSc Computer Science (Distinction)
[September 2011 – August 2012]
Specialty: High Performance Computing. Courses in Advanced Distributed Databases, Software Architecture and Processes Management, Applied Machine Learning, Extreme Programming and Software Testing.
Dissertation: Indoor navigation with Android devices.

"Politehnica" University of Bucharest – BEng Automation
[September 2007 – August 2011]
A solid base in technical field of automation from signal processing and control systems, to low- and high-level programming or data handling.

SCHOLARSHIPS AND PRIZES

I am an ambitious and hardworking person. Testament are:
- Origami Energy Employee of the Quarter in 2018,
- 1st prize in a local IET presentation competition,
- 1st prize in team competition Google Interactivism Hack Weekend,
- multiple scholarships which covered my studies' cost.

SKILLS

- Enthusiastic quick learning
- Clear communication
- Facilitation and Coaching
- Analytical thinking
- Creativity and Complex Problem Solving
- Focus for Productivity and Time Management using 80/20 rule and quick cost/benefit analysis for prioritization and decision-making