

# Razvan Constantin Mahu

## Lead Software Engineer

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📍 London, United Kingdom

## Summary

Experienced and self-motivated software engineer ready to solve problems using innovative solutions. Able to take software through all stages of development, from design and rapid prototyping to testing, deploying, scaling and maintaining the code. Acquired a diverse set of technical skills and knowledge throughout the years, being passionate about computer science since an early age. Capable of collaborating effectively within a team, managing, mentoring and coaching other engineers.

## Technical Skills

Python, Django, SQL, TypeScript (JavaScript), React, AWS, Docker, Terraform, GCP, Kubernetes, Ansible, Angular, HTML, CSS, MongoDB, Java, Scala, C#, C

## Work Experience

### August 2022 – Present: Lead Python Engineer, Onto, London

- Adapted to company administration in September 2023 by expanding expertise in billing systems (Stripe) and mobile development (iOS and Android) while maintaining platform stability with a smaller team, continuing to fulfil line management duties and supporting the team in difficult times during the gradual shutdown.
- Line managed three people since May 2023, regularly providing feedback and support when needed.
- Contributed to the organisation and planning of the Onto For Business project across different technical domains.
- Created an internal RFC (request for comments) to establish a role-based access control solution across teams.
- Established the production support process for the engineering team.
- Developed new features for the booking and fleet engine using Django and GraphQL and contributed to our internal tools using React.

### October 2020 – August 2022: Senior Software Engineer, Ocado Technology, Hatfield

- Worked on Code for Life, an open-source educational project, assisting teachers with computer science lessons and helping students learn programming using fun games. Led the tech of the platform using Python/Django for the back-end and JavaScript/React for the front-end as well as maintaining the infrastructure on GCP/AppEngine/Kubernetes. Migrated the CI/CD pipeline from Travis to GitHub Actions. Mentored and coached software engineering colleagues.

## July 2016 – October 2020: Innovation Technology Lead, Qlearsite Ltd, London

- Joined the company when there were only four other employees, initially focused on front-end development of prototypes in Angular, then back-end development in Python and infrastructure automation with Ansible on AWS. Working closely with a colleague specialising in machine learning, assisted the engineering team in productionising and integrating NLP and predictive analysis tools into the core product. Interviewed candidates for front-end developer and infrastructure engineer roles. Mentored new joiners, getting them up to speed with the projects, codebase and internal processes. The startup successfully received additional funding, having more than 30 employees in October 2020.

## July 2015 – July 2016: Integration Developer, Acturis Ltd, London

- Being part of the integration unit and working closely with business analysts and the helpdesk team, contributed to the development of a platform, used in the insurance industry, utilising WebMethods, Java, C#, PL/SQL and web programming languages.

## May 2013 – July 2015: (Freelancer) Project Manager for Applied Management System, Applied Experts Ltd, Huddersfield

- Enhanced and maintained a complex PHP/MySQL web application for interpretation and translation booking management, successfully completing and improving upon unfinished code from a previous developer.

## Education

### September 2011 – June 2015: University of Sheffield, MComp Computer Science

- 2012-2015 - Class One Honours Overall, First Class Performance in 1st, 2nd and 3rd year, First Class Dissertation - Raspberry Pi Control Interface for T200 Board
- 2012 - Certificate of Appreciation in recognition of valuable contributions to The University of Sheffield Romanian Society; Elected as Web Officer for Romanian Society

### September 2003 – June 2011: National College “I.L.Caragiale” Ploiesti, Romania

- 2011 - Certificate of Professional Skills (Design and structure of software products required for the implementation of software systems, software applications, databases, web pages (client-oriented software); Customization, configuration and software application change to comply with informational systems of the customer)
- 2011 - Certificate of Computer Skills (Based on the results obtained at the assessment of computer skills with a score of 99 and level of Experienced user)
- 2011 - Diploma of High School Graduation (General Average Grade at the High School Graduation Exam: 9.35)
- Yearly participation in different computer science contests throughout middle and high school, winning various awards and medals. For a complete list, please visit <https://raz.dev/#education>.

## Other Skills & Experience

To check out some of my personal projects, please visit <https://raz.dev/#other-skills>.