

Razvan Constantin Mahu

Lead Python Engineer

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📍 London, United Kingdom

Summary

Experienced and self-motivated software developer 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 early ages. Capable of collaborating effectively within a team, mentoring and coaching more junior developers, as well as working efficiently on independent projects.

Technical Skills

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

Work Experience

Aug 2022 – Present: Lead Python Engineer, Onto, London

- As part of a team, developed new features on the booking and fleet engine using Django and GraphQL.
- Contributed to our internal tools using React.
- Line managed two people since May 2023, regularly providing feedback and support when needed.
- Established the production support process for the engineering team.
- Created an internal RFC (request for comments) for deciding a role based access control solution across the teams.
- Contributed to the organisation and planning of the Onto For Business project across different technical domains.

October 2020 – Aug 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 using fun games. Led the tech of the platform using Python/Django for the backend and JavaScript/React for the frontend 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 4 other employees, working closely with my colleague specialised in machine learning, initially focusing on front-end development of prototypes in Angular, then mostly back-end development in Python and some infrastructure automation with Ansible on AWS. Assisted 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, the codebase and our 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 close with other teams, mainly business analysts and helpdesk ones, contributed to development of a platform used in the insurance industry using WebMethods, Java, C#, PL/SQL and web programming languages.

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

- Continued an incomplete code from a previous developer, improving and maintaining a complex web application using PHP and MySQL that allows the company to manage and keep track of interpretation and translation bookings.

Education

Sept 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

Sept 2007 – June 2011: Colegiul National „I.L.Caragiale” Ploiesti

- 2011 - Certificate of Professional Skills (Design and structure of software products required for implementation of software systems, software applications, databases, web pages (client oriented software); Customization, configuration and software application change in order 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)
- 2011 - Award of Course Completion Oracle Academy Database Programming with PL/SQL
- 2011 - Award of Course Completion Oracle Academy Database Design and Programming with SQL
- 2010 - Certificate of Course Completion CISCO IT Essentials: PC Hardware and Software
- 2010 - 1st prize in county stage of „Istorie si Societate in dimensiune virtuala”, Prahova
- 2008 - Bronze Medal obtained at Computer Science National Contest
- 2006 - 3rd prize obtained at Computer Science County Contest
- 2005-2007 - Participation at Computer Science National Contest
- 2004-2006 - Special Award obtained at Computer Science County Contest and Computer Science National Contest „Marele Premiu al Palatului Copiilor”, Programming section

Other Skills & Experience

Visit my website to view some of my weekend projects and others: <https://raz.dev/#other-skills>.