Curriculum vitae

PERSONAL INFORMATION

Csaba Sulyok

- 400310 Cluj-Napoca (Romania)
- (+4) 0742 163290
- csaba.sulyok@gmail.com
- Skype live:csaba.sulyok

Sex Male | Date of birth 14/08/1989 | Nationality Romanian, Hungarian

POSITION

Senior Software Engineer/Associate Professor

WORK EXPERIENCE

06/2017–Present

Mentor programme manager

Codespring, Cluj-Napoca (Romania)
https://www.codespring.ro/

- courses, trainings and workshops in areas of Enterprise Software Engineering
- coaching, mentoring and reviewing student activities
- multiple successful projects; technologies include Spring Boot, node.js, Angular 4, React Native, Python & Tensorflow

10/2015–09/2016

Visiting TA

"Babeş-Bolyai" University, Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)

- seminars and labs held in Software Engineering and Integrated Development Environments
- coordination of group projects with students

10/2011–04/2017

Key software developer, peer product owner

Accenture Industrial Software Solutions (formerly evoline), Cluj-Napoca (Romania)
https://www.accenture.com/ro-en/service-industrial-software-solutions

- Java/JEE developer using multiple application servers: WebLogic, WildFly
- auxiliary tools: Jenkins, Nexus, SonarQube
- build and installation automation using Maven, Gradle, Docker
- code generator using DSLs and state machines (Groovy)
- peer product owner in a Scrum team
- multiple presentations and internal trainings

Business or sector Railway Automation

10/2011–07/2013

Key software developer, peer product owner

Siemens Mobility AG, Braunschweig (Germany)
http://www.mobility.siemens.com

- external software developer from AISS, then named evoline
- certified in Scrum
- multiple presentations and internal trainings

Business or sector Railway Automation

25/07/2010–01/10/2010   **Intern - Java developer**

Morgan Stanley, Budapest (Hungary)

- renewing an internal web-based Java EE application
- Spring MVC with Hibernate & AJAX
- cross-country collaboration, multiple presentations

EDUCATION AND TRAINING

09/2016–Present   **Doctor of Philosophy (Ph.D.) candidate**

"Babeş-Bolyai" University, Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)

Ph.D. topic: *Computational Intelligence Methods for Algorithmic Music Composition*

09/2013–09/2015   **Master of Science with Distinction in Digital Music Processing**

Queen Mary University, London (United Kingdom)

Final project: *Evolutionary Music Composition*

- Digital signal & music processing
- Machine learning
- Real-time signal processing using microcontrollers (BeagleBone Black)

10/2008–07/2011   **Bachelor of Science in Computer Science**

"Babeş-Bolyai" University, Faculty of Mathematics and Informatics, Computer Science profile, Cluj Napoca (Romania)

Final diploma thesis: *Virtual Acoustic Modelling of Performance Spaces*

- Computer science basics (OOP, databases, operating systems, software engineering, AI etc.)
- Web programming
- Advanced Java programming
- Computer graphics

09/2004–07/2008   **High School Graduate**

"Silvania" National College of Mathematics & Computer Science, Intensive Computer Science profile, Zalău (Romania)

PERSONAL SKILLS

Mother tongue(s)   Hungarian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C1	C1	C1
C2	C2	C1	C1	C1

Romanian (first data row), English (second data row)

IELTS degree, with score of 8.0

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   In my years leading up to the position of senior software developer, I have gained extensive communication experience. I have occupied both the position of learner as well as technical leader within a team, maintaining professional relationships with my colleagues in all scenarios. I have also

participated in an internal communication training.

Organisational / managerial skills	I have experience in being on both sides of a project. I am currently mentoring and coaching multiple small teams of students, offering knowledge of enterprise software development and software engineering.

During my time at Accenture Industrial Software Solutions, I have been responsible - as peer product owner and/or technical coordinator - of multiple Scrum development teams sized 5-8 people; here I learned organisational strength and aptitude.

I was also part of an international team of Java library developers as an intern at Morgan Stanley.

Job-related skills I have been named key software developer in my longest-term team, where I gained great experience with modern development technologies, such as Enterprise Java, Gradle and Spring. I have good command of automation of build and deployment processes, as well as automatic code generation.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

I am familiar with many programming languages (Java, C/C++, Python, JavaScript, etc.), mostly concentrating on Java Enterprise APIs (JPA, JMS, CDI, JMX, EJB) and build automation/DevOps tools (e.g. Maven, Gradle, GitLab, Docker).

I have advanced knowledge of multiple IDEs, with Eclipse and Visual Studio Code being the most widely used.

I have also developed web-based applications with RESTful services, mainly using Angular and Bootstrap for the front-end and using Java EE, Spring or Node.js for the backend.

I have also done extensive work and research in the field of machine learning, especially in linear genetic programming, which is a prominent part of my ongoing PhD research thesis.

Other skills Hobbies: music, movies, driving.

Driving licence B

ADDITIONAL INFORMATION

Selected publications
- Sulyok, Cs. and Harte, C.: On virtual machine architectures for evolutionary music composition, in: *Proceedings of the 14th European Conference on Artificial Life*, pp. 577–584, Lyon, FR (2017), URL: http://cognet.mit.edu/proceed/10.7551/ecal_a_091
- Sulyok, Cs., McPherson, A., Harte, C.: Evolving the process of a virtual composer, in: *Natural Computing*, pp 1–14 (2016) URL: http://link.springer.com/article/10.1007/s11047-016-9561-6
- Sulyok, Cs., McPherson, A., Harte, C.: Corpus-taught Evolutionary Music Composition, in: *Proceedings of the 13th European Conference on Artificial Life*, pp. 587–594. York, UK (2015), URL: https://mitpress.mit.edu/sites/default/files/titles/content/ecal2015/ch102.html