



**Csaba**  
Sulyok, PhD.

## CONTACT



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## WORK EXPERIENCE

**10/2019 - CURRENT**

### Teaching assistant

"Babeş-Bolyai" University, Faculty of Mathematics and Computer Science

- courses and labs held in Web Programming, Enterprise Software Development, Software Engineering and Group Project modules

Cluj-Napoca, Romania

**06/2017 - CURRENT**

### Mentor programme manager

Softech

- 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, React Native, Python & Tensorflow

<https://www.softech.ro/> | Cluj-Napoca, Romania

**10/2015 - 09/2016**

### Visiting TA

"Babeş-Bolyai" University, Faculty of Mathematics and Computer Science

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

Cluj-Napoca, Romania

**10/2011 - 04/2017**

### Key software developer, peer product owner

Accenture Industrial Software Solutions (formerly evoline)

- 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

<https://www.accenture.com/ro-en/service-industrial-software-solutions> | Cluj-Napoca, Romania

**10/2011 - 07/2013**

### Key software developer, peer product owner

Siemens Mobility AG

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

<http://www.mobility.siemens.com> | Braunschweig, Germany

**25/07/2010 - 01/10/2010**

### ● Intern - Java developer

Morgan Stanley

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

Budapest, Hungary

## EDUCATION AND TRAINING

**10/2016 - 09/2019** - Cluj-Napoca, Romania

### ● Doctor of Philosophy (Ph.D.) candidate

"Babeş-Bolyai" University, Faculty of Mathematics and Computer Science

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

**09/2013 - 09/2015** - London, United Kingdom

### ● Master of Science with Distinction in Digital Music Processing

Queen Mary University

Final project: *Evolutionary Music Composition*

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

**10/2008 - 07/2011** - Cluj Napoca, Romania

### ● Bachelor of Science in Computer Science

"Babeş-Bolyai" University, Faculty of Mathematics and Informatics, Computer Science profile

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** - Zalău, Romania

### ● High School Graduate

"Sylvania" National College of Mathematics & Computer Science, Intensive Computer Science profile

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Hungarian

### Romanian

Listening  
**C2**

Reading  
**C2**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

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### English

Listening  
**C2**

Reading  
**C2**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

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## ORGANISATIONAL SKILLS

### Organisational 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.

## COMMUNICATION AND INTERPERSONAL SKILLS

### Communication and interpersonal 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.

## JOB-RELATED SKILLS

### 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.

## SELECTED PUBLICATIONS

### Selected publications

- Sulyok, Cs., Bodó Z. and Harte, C.: On the impact of domain-specific knowledge in evolutionary music composition, in: *Proceedings of the 2019 Genetic and Evolutionary Computation Conference (GECCO)*, pp 188–197. Prague, CZ (2019) URL: <https://dl.acm.org/citation.cfm?id=3321710>
- Sulyok, Cs., McPherson, A., Harte, C.: Evolving the process of a virtual composer, in: *Natural Computing*, vol. 18, issue 1, pp 47–60 (2019) 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>