

# Bálint Kiss

## Résumé

Budapest, Hungary  
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## Professional Experience

- November 2017 - Present **Software Engineer (C++)**, *evosoft Hungary Ltd.*, Budapest.
- Participation in the development of a machine error diagnostic software for the Siemens SINUMERIK system platform in the field of industrial automation
  - Designing, implementing and maintaining the dynamic plugin handling architecture of the software and creating the plugins themselves
  - Programming using C++11/14 with Qt 5 and Win32 API
  - Architecture documentation and UML diagram creation
  - Assuming the role of Test Quality Responsible in the team
  - Unit test development with Qt Test and Google Mock
  - Taking responsibility in improving the workflow process and introducing tools in the team
  - Build engineering and release management
  - Maintenance of automation scripts written in Bash, Tcl, Perl and Python
- January 2017 - November 2017 **Junior Software Engineer (C++)**, *evosoft Hungary Ltd.*, Budapest.
- July 2015 - August 2016 **Software Intern (Java)**, *GE Healthcare*, Budapest.
- Participation in the development of a cloud-based medical imaging software
  - Development of microservices in Java with Spring Framework
  - Participation in an agile software development process (Scaled Agile Framework, SAFE)
  - Unit test development with JUnit and Mockito
  - BDD test development with JBehave and Selenium
  - Member of our division's "DevOps Guild", maintaining applications deployed to Cloud Foundry cloud environment, virtualization with Docker
- June 2013 - January 2015 **Research Assistant (Java, R)**, *University of West Hungary, Institute of Informatics and Economics*, Sopron.
- Development of an analytic logic module for a data analytic framework using Java
  - Implementation of a scientific data analytic process using R statistical programming language and RapidMiner data science platform
  - RapidMiner plugin creation in Java
  - Interfacing RapidMiner with our Java data analytic framework
  - Apache Tomcat web server administration and programming with Servlet API
  - Administration of a virtual Debian server running in cloud environment
  - MongoDB NoSQL database administration

## Education

- 2015 February - 2017 June **Master of Science (MSc), Computer Science – Software Technology specialization**, *Eötvös Loránd University, Faculty of Informatics*, Budapest.
- 2011 September - 2015 January **Bachelor of Science (BSc), Business Informatics Engineer – Software Development specialization**, *University of West Hungary, Simonyi Károly Faculty of Engineering, Wood Sciences and Applied Arts*, Sopron.

## Technical skills

- Programming languages **C++, Java**
- Scripting languages **Bash, Tcl, Perl, Python, R**
- C++-related technologies **C++11/14, STL, Win32 API, Make, CMake, Qt 5, Google Test and Google Mock, SDL2, GLFW**
- Java-related technologies **Spring Framework, Servlet API, JUnit, Mockito, JBehave**
- Version control **Git, Perforce, ClearCase**
- Database systems **MySQL, PL/SQL, MongoDB, Redis**

Operating systems **Microsoft Windows (98/XP/7/10), Linux (Ubuntu, Debian, Red Hat, Fedora), Solaris**  
Tools **GDB, Doxygen, ClangFormat, Clang-Tidy, Travis CI, AppVeyor**

## Foreign languages

Hungarian **Native language**  
English **Fluent speaking and writing ("C1")**  
German **Basic ("A2")**

## Other skills

- Library API design, knowledge of Design Patterns, Anti-patterns and UML
- Interest for new technologies, continuous self-education
- Quick learning
- Very good analytical skills
- Attention, precision
- Ability to work alone as well as in a Scrum team
- Presentation skills
- Hobbies and interests: reading fictional and IT books, studying game development techniques and working on game-programming related side projects

## Certifications

June 2018 **ISTQB Certified Tester Foundation Level**, *International Software Testing Qualifications Board*, License H18062937/CTFL.

## Academic achievements

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|--------------------------|---|
| Publications             | <ul style="list-style-type: none"><li>Zoltán Pödör, Bálint Kiss, György Csóka, László Jereb<br/><i>Possible climatic correlation of individual great butterfly species catch data – examinal methodology and preliminary results</i><br/><i>University of West Hungary, Faculty of Forestry, Faculty Scientific Conference</i><br/><i>Sopron, Hungary, 10 December 2013</i></li><li>Zoltán Pödör, György Csóka, Bálint Kiss<br/><i>Simple- and Multivariate data analysis of light trap catching data by a systematic window procedure</i><br/><i>Decision Support System Workshop and ForestDSS Community of Practice</i><br/><i>Lisbon, Portugal, 4-6 December 2013</i></li></ul>   |
| Conference presentations | <ul style="list-style-type: none"><li><i>Development of data analytic system for forest data in RapidMiner and R environment</i><br/><i>XXXII. National Conference of Scientific Students Associations (OTDK)</i><br/><i>Szeged, Hungary, 16-18 April 2015</i></li><li><i>Development of CReMIT-based data analytic method for processing of forestry time series data</i><br/><i>HTE Infokom 2014, 19th HTE Infocommunication Networks and Applications Conference and Exhibition, Student section</i><br/><i>Kecskemét, Hungary, 9 October 2014</i></li><li><i>Development of data analytic system for forest data in RapidMiner and R environment</i><br/><i>University of West Hungary, Simonyi Károly Faculty of Engineering, Wood Sciences and Applied Arts, Faculty Conference of Scientific Students Associations (TDK)</i><br/><i>Sopron, Hungary, 24 April 2014</i></li></ul> |
| Research/projects        | <ul style="list-style-type: none"><li>25294/207 TÁMOP-4.2.2.C-11/1/KONV-2012-0015 „Scientific processing of Earth-system data and socialization of knowledge with the help of modern IT resources”</li></ul>  |
| Awards, honors           | <ul style="list-style-type: none"><li><i>Earned II. place for presented research paper at University of West Hungary Faculty Conference of Scientific Students Associations (TDK)</i></li></ul>   |
| Memberships              | <ul style="list-style-type: none"><li><i>Richter Réz Géza College for Advanced Studies (2013 - 2015)</i></li></ul>  |