Ervin SZILÁGYI
Software Developer

Young and ambitious software developer having a wide interest for cloud based technologies, microservices and software security.

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📍 Targu-Mures, Bucinului 14/16
📅 Date of birth 15/01/1993
🏳 Romanian
📞 +40764325745

Work experience

Software Developer / Endava Romania Târgu-Mureş, Romania
Since August 2017

Job responsibilities:

- Develop and maintain a full-stack business application, working in an agile team;
- Write maintainable an organized code respecting the layers of the application;
- Create several REST API for internal/external use, give support for external APIs used by third parties;
- Ensure integration with third party services;
- Offer support for the client in case of production issues;
- During the development the following technologies were used for the **back-end** and **server-side** development:

▪ the server-side code base was developed in Java 8 using the Spring Boot 1.4 framework;
▪ web service technologies: JAX-WS, JAXB;
▪ Spring MVC/ Spring Security for secured REST APIs;
▪ dependencies and a build automation: Apache Maven.

- Technologies used for the **data persistence**:

▪ MarkLogic 8 - noSQL type database used for storing mainly JSON documents. This acted as a separated service and it was programmed using server-side Javascript (a variant of NodeJS) scripting language;
▪ deployment tool for server-side JS scripts: Gulp;
▪ unit testing framework for server-side JS scripts: Jasmin.

- Technologies used for **front-end** development:

▪ AngularJS, which implies heavy usage of Javascript (ES5);
▪ markup and styling: HTML5 and CSS3 (Sass) + Twitter Bootstrap 3;
▪ package management and dependencies: Bower, npm;
▪ building and deployment: Grunt.

Other tools used:
Git (source control), Gerrit, BitBucket (code review), Jira (task management), IntelIJ, VSCode, MarkLogic Query console. etc.

Software Engineer / Accenture Industrial Software Solutions Târgu-Mureş, Romania
From May 2015 to July 2017

Job responsibilities:

▪ Develop and maintain a Railway Automation project using C++ (MFC, Boost), Visual Basic and Python;
▪ Work in a regulated environment, the components developed by us where graded between SIL 0 and SIL 2 safety-integrity level;
▪ Develop and maintain unit tests using GTEST and GMOCK libraries;
▪ Implement regression and UI tests using AutoIT and Python languages;
▪ Configure and maintain Jenkins - continuous integration system, develop batch scripts for automatic builds;
▪ Write software documentation (use cases, release notes) and testing documentation (test cases);
▪ Actively collaborate with clients and other teams;
▪ Actively attend Scrum meetings;
▪ Supervise summer internship attendees.
▪ Other technologies used: IBM Rational Synergy (version control system), IBM Rational Doors (software documentation), PVCS Merant Tracker (bugs and tickets), Citrix, Oracle Virtual Box (virtualization and working remotely on the client's network), AutoIT (used for UI and regression/integration testing), Parasoft Static Analysis for C and C++.

Languages

Hungarian
Native

English
› FCE : 172/230

Romanian

Programming language skills

Java

Javascript

C/C++

Python

Go

Kotlin

Frameworks

Spring/Spring Boot

Angular/AngularJS

QT

Android

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@Ernyoke

Work experience

Android Developer Intern / SmartSoft Târgu-Mureș, Romania
From July 2014 to August 2014

Software Developer intern / Evoline Târgu-Mureș, Romania
From July 2013 to August 2013

Education

Master's Degree in Software Development / Sapientia Hungarian University of Transylvania Târgu-Mureș, Romania
From September 2015 to June 2017

Studied:
Agile Methodologies, Numerical Math and Statistics, Virtual Reality and Game Development, Genetic Algorithms, Concurrent Computing (CUDA), Distributed Systems (Java EE), Software Verification and Synthesis, Software Testing, Modern Databases, Component Based Software Development

Final grade: 10/10
Thesis: Parallel artistic style transfer using deep convolutional neural networks

Honors:
- **16th Scientific Student Conference of Technical Science - XVI. Műszaki Erdélyi Tudományos Diakköri Konferencia,** Second place in Computer Science and Applied Informatics section with the project of: "WLAN based Conference System".
- **XIV Scientific Students' Associations Conference - XIV. Tudományos Diákköri Konferencia (Sapientia TDK)**, Second place in Computer Science and Software Development Section section with the project of: "WLAN based Conference System".

Education

Bachelor's Degree in Computer Engineering / Sapientia Hungarian University of Transylvania Târgu-Mureș, Romania
From September 2011 to June 2015

Studied:
Algorithms and Data Structures, Programming Languages, Web Technologies, Operating Systems, Databases, Computer Networks, Distributed Systems, Artificial Intelligence, Object Oriented Programming , Java Technologies, Android Programming, Image Processing, Computer Architecture, Assembly Programming, Micro controllers, Programmable Digital Systems, Digital Signal Processing

Final grade: 10/10
Thesis: WLAN based conference system

Cerifications

ECDL Core Certificate License RO 054622 / ECDL -
Since December 2010

Software Security License AFRP6UPJZ5 / Coursera Verified Certificates -
Since September 2015

https://www.coursera.org/account/accomplishments/verify/AFRP6UPJZ5

Programming Mobile Applications for Android Handheld Systems - License U4KVNZF6NS / Coursera Verified Certificates -
Since November 2014

https://www.coursera.org/account/accomplishments/verify/U4KVNZF6NS

Scrum, Kanban, Lean and Story Writing / Sprint Consulting Llc -
Since February 2016

Interests, hobbies

Competitive gaming

Computer security