

Șerban Petrescu

Occupation: Computer Engineer
Date of Birth: Sep 7, 1993
Location: Cluj-Napoca, Romania
Email: Serban.Petrescu@outlook.com
Telephone: +40 744 865 132



Education



msg-systems Romania

Oct 1, 2013 - Jan 15, 2014

Technical Course - SAP ABAP Development

A series of lectures (held at TU-CN) and laboratories (hosted by msg) which served as an introduction to the SAP world.



Technical University of Cluj-Napoca

Oct 1, 2012 - Jul 1, 2016

Faculty of Computer Science and Information Technology. Computer Science - English specialization.

The courses at TU-CN covered both software and hardware advanced concepts.



Leonardo da Vinci Project

Sep 1, 2011 - Oct 15, 2011

A month-and-a-half-long exchange project set in Leipzig, Germany.

I, along with about 15 other colleagues, studied basic web technologies (HTML, PHP, JS) at a local company (Robotron GmbH).



"Gheorghe Lazar" National College Sibiu

Sep 15, 2008 - Jun 15, 2012

Mathematics - Informatics specialization.

My first contact with programming. During this period, I've learnt C / C++, C# and PHP.

Work Experience



msg-systems Romania

Feb 1, 2016 - present

Promoted to IT Consultant.

Mostly full time involvement (with small exceptions during my bachelor degree thesis realization).



msg-systems Romania

Aug 4, 2014 - Feb 1, 2016

Employed as Associate IT Consultant.

I worked part time (6h per day) during the academic year and full time during the summers.



msg-systems Romania

Mar 1, 2014 - Jun 1, 2014

Internship (three months).

During the internship, I've been presented to and studied in-depth various new SAP technologies: UI5, Fiori, Netweaver Gateway.

Skills

Technical Languages

| | |
|----------------------|--------------|
| ABAP | Advanced |
| C / C++ | Advanced |
| Java | Advanced |
| JavaScript | Advanced |
| Basic (VB, VBA, VBS) | Intermediate |
| HTML / CSS | Intermediate |
| PHP | Intermediate |
| SQL | Intermediate |
| SQLScript | Intermediate |
| Assembly | Basic |
| C# | Basic |
| Lisp | Basic |
| Prolog | Basic |
| VHDL | Basic |

Databases

| | |
|----------------------|--------------|
| SAP HANA | Advanced |
| Apache Derby | Intermediate |
| MySQL | Intermediate |
| Microsoft SQL Server | Basic |
| PostgreSQL | Basic |

Technologies

| | |
|-------------------------|--------------|
| Netweaver AS ABAP | Advanced |
| SAP UI5 | Advanced |
| Java EE | Intermediate |
| Netweaver Gateway | Intermediate |
| RESTful APIs | Intermediate |
| SAP CDS (ABAP & HANA) | Intermediate |
| SAP Fiori | Intermediate |
| SAP HANA PAL | Intermediate |
| SAP HANA XS | Intermediate |
| Android | Basic |
| AngularJS | Basic |
| CMIS (Apache Chemistry) | Basic |
| Spring | Basic |
| Windows Phone | Basic |

Natural Languages

| | |
|----------|---------------|
| Romanian | Mother Tongue |
| English | Advanced |
| German | Basic |

Projects

Next Generation Underwriting

Type: Work-related

Period: Current

Description: Project launched as a start-up for a small company part of the msg group. It focuses on aiding underwriters in their work through predictive analytics and pre-built business rules. My role in this project was similar to a full stack developer (working on all components of the application), whilst also being responsible for most of the design / architecture decisions.

Key Concepts: Java, R, MySQL, Olingo, JAX-RS, JavaScript, SAP UI5

GenRe GTFE Analysis Reports

Type: Work-related

Period: 2016

Description: A customer add-on to FS-RI (Financial Services - Reinsurance) for the General Reinsurance Company. The add-on consisted of three UI5 applications which pulled various performance indicators calculated by ABAP CDS views and exposed through Netweaver Gateway services.

Key Concepts: ABAP, ABAP CDS, Netweaver Gateway, SAP UI5

Taxonomic Engine

Type: Work-related

Period: 2015 - 2016

Description: A HCP, HANA, UI5 project for the human resources industry. The main goal of the project was to automatically parse and classify candidates based on their CVs.

Key Concepts: HANA XS, SQLScript, HANA PAL, HANA Text Analysis, SAP UI5, Fiori

msg.LRM

Type: Work-related

Period: 2014 - 2016

Description: Various projects centered on msg.LRM (Life Reinsurance Module). Initially, to get acquainted to the module and the underlying framework, I was part of the standard development team. Afterwards, I worked on various customization projects for different customers (Transamerica, Nan Shan Life).

Key Concepts: ABAP

Bachelor Degree Project

Type: Education-related

Period: 2015 - 2016

Description: A Shipment Management, Tracking and Analysis application targeted at the transport insurance industry branch. It consists of two tracking device prototypes (Android and Arduino) which communicate with SAP HANA based cloud services. These services store the data, send out notifications (by using a Java microservice) if certain conditions are met and process the collected figures to produce various statistics and analytical scenarios.

Key Concepts: Java, HANA XS, SQLScript, HANA PAL, Android, Arduino, C#, SAP UI5

EPM WebSocket

Type: Personal

Period: 2015

Description: A small personal project which realized the following technical achievement: real-time communication between an ABAP based user interface (classic Dynpro), a UI5 interface hosted on the ABAP system and a UI5 interface hosted on the cloud platform. The data model used for this proof of concept was the SAP Enterprise Procurement Model (EPM).

Key Concepts: ABAP, Netweaver Gateway, Java, JPA, Olingo, SAP UI5, WebSocket

Graphical Development Environment

Type: Personal

Period: 2015

Description: An application which can be used to write imperative Java code by dragging and dropping functional blocks. The generated code can also be displayed inside the application, compiled and run. The front-end is done in HTML5 and the back-end is built in Java (it consists of an embedded HTTP server).

Key Concepts: Java, HTML5, SAP UI5, JavaScript, FabricJS

Job Registry

Type: Personal

Period: 2014

Description: This project was built in my spare time for a relative of mine which is a land surveyor. Using it, one can keep track of all jobs and court terms for judicial expertise jobs. It offers a calendar for seeing court dates and automatically reads data from the Ministry of Justice Web API and the National Agency for Cadaster and Land Registration website to update the data accordingly.

Key Concepts: MySQL, PHP, HTML, JavaScript
