Curriculum vitae

PERSONAL INFORMATION

Calin Harangus

on request, Stuttgart (Germany)

on request

calinharangus@gmail.com

www.protokollix.de

Sex Male | Date of birth 15/03/1982 | Nationality Romanian

WORK EXPERIENCE

01/07/2012–Present

Software developer

Magneti Marelli GmbH
Waldburgstraße 21, Stuttgart (Germany)
https://www.magnetimarelli.com/

- develop software applications based on Bedien- und Anzeige Protokoll (BAP) for Kombi Instruments Projects (Porsche 9X1, Porsche Macan, Audi B9/B9PA) according to ASPICE process

- generate and integrate BAP Stack for different Instrument Cluster Projects and implement software applications based on VW BAP Protocol.

- perform code reviews

- coordinate the software activity related to BAP Protocol in all the company Projects (different locations)

- perform BAP Trainings (short introduction into BAP Protocol can be found here: https://www.protokollix.de/automotive.html)

- create automated software test concepts for BAP modules

- support and knowledge transfer to colleagues from other locations (India and Romania)

- communication with customer for clarifying complex issues.

- write Software documentation and UML design

Programming Languages used: C/C++, Python, Vector CAPL

Tools used: Visual Studio 2010, CANOE, Bap Viewer, BapStack Generator, Telelogic/IBM Synergy, Telelogic/IBM Change, Telelogic/IBM Doors, Microsoft Office (Word, Excel, Powerpoint), MS Project, GreenHills Multi, Rational Rhapsody Architect, git, Atlassian Jira.

01/01/2011–30/06/2012

Software developer

Da Vinci Engineering GmbH
Hauptstäter Straße 149, Stuttgart (Germany)
https://www.davinci.de

- Consultant by Magneti Marelli GmbH

15/08/2006–31/12/2010

Software developer

Continental Automotive (former Siemens VDO Automotive SRL)
Siemens Street 1, Timisoara (Romania)
https://www.continental-corporation.com

- develop CAN Drivers for Fujitsu 91v467 and NEC V850E2M platform which were used in automotive software system for Cluster Instruments Projects (BMW, PSA, Hyundai)

- maintain CAN Interface module

- design Test cases for testing CAN Driver using automatic testing tools.

- develop toolbox functions for different controllers modules which will be use in the End of Line tests (production line tests). This toolbox functions were used for Cluster Instruments Projects (BMW L7, Daimler W222). Purpose of a toolbox function was to assure the proper functionality of a microcontroller peripheral (for example the UART microcontroller module has to be initialised on all supported baudrates and checked that the communication between the microcontroller and the communication partner was done without errors)

- implement toolbox functions for modules like UART, I2C, SPI, graphic display controller, RAM calibration controller, power management, sound amplifier controller, MOST using SMSC INIC chip, etc.

- design Test cases for testing toolbox functions using automatic testing tools such as BSK AIDA Sequencer

- perform code reviews

- write Software documentation

Programming Language used: C
Tools used: Microsoft Visual Studio 2005, BSK AIDA Sequencer – automatic testing tool, CANOE, XML Spy

EDUCATION AND TRAINING

01/10/2001–31/07/2006

Diplom-Ingenieur

Technical University of Cluj-Napoca
Memorandumului Street 28, Cluj-Napoca (Romania)
https://www.utcluj.ro/

- Embedded Systems Programming, Control Engineering, Real Time Systems, Robotics, Control Methods, Digital Circuits

15/09/1997–15/06/2001

Highschool Diploma

Tiberiu Popovici Highschool
Calea Turzii Street 140-142, Cluj-Napoca (Romania)
https://www.tpopoviciu.ro/

- Informatics

PERSONAL SKILLS

Mother tongue(s): Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	B2	B2	B2	B2	B1
Italian	B1	B1	A2	A2	A2

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

- good communication skills gained through my experience in working with software developers of different cultures.

- team work

- result oriented person

- quick learner

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

- Programming languages: C, C++, Java, Shell Bash, XSL/XSLT, XML, Perl, Python, Vector CAPL
- Web languages: PHP, HTML, ASP
- Databases: MySQL
- Operating systems: Microsoft Windows, Linux (Debian,Ubuntu distros), Jolla Sailfish OS (https://www.protokollix.de/sailfishos.html)

Driving licence B

ADDITIONAL INFORMATION

Projects

Diploma Thesis: Applications of Bluetooth Tehnology in telemedicine

- Develop a system that monitor physical effort of patiens with the use of Bluetooth Tehnology: identify the physical effort limits from several parameters, send parameters from patiens to a central server, reate a client-server software application that simulate this system using for comunication media Bluetooth Tehnology

Different Sailfish OS applications such: TicTacToe game and a Logic Games suite (https://www.protokollix.de/sailfishos.html#tictactoe)