RICARDO UNGERER G. SIMÕES

PERSONAL INFORMATION

Nationality:	*German and Brazillian*
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WORK EXPERIENCE

Jan 2016 – Present

Software Developer, Netcracker Technology

VIVO Billing

In my current position I have been responsible for the development and maintenance of business support systems directed to a telecom service provider in Brazil. The tasks include documenting, requirement analysis, programming, code reviewing, bug fixing and testing.

Jul 2014– Jan 2016

Software Developer, Lenovo

BMC Command Line Tool

This project deliver to the servers administrators a tool to manage and monitor a Think-Server Baseboard Management Controller. As a head developer I worked on two main branches of the project:

- Troubleshooting the legacy code;
- Porting the windows code to Linux.

Mar 2013– Jul 2014

Embedded SW Developer, Guenka Software

Ford TBS Trucks

With the end of the TBS Gen2, Guenka were again hired to implement the TBS for all Ford trucks being sold in Brazil. In this project i received the task to implement four modules of the system:

- **F9141 Communications Protocol (ISO9141 simplified):** Since all Brazilian trucks still use this old protocol, Ford decided that this protocol should be used to transport all diagnostics messages for the TBS. I were responsible to implement a this procotol on top of a micro-controller UART port.

- **Interface to an after market TBS:** In Brazil, Ford has firmed agreement with Autotrac in order to extend the functionalities of the TBS. I were responsible to implement a protocol (defined by Ford) responsible to pair the Ford's TBS and the Autotrac's TBS.

- **Event Generator:** This module were responsible to monitor several J1939 messages and generate events. I implemented this module with the help of the Matlab/Simulink FSM generator.

  Besides these modules i also developed a J1939 automated test environment in the Vector's CANoe tool to guarantee TBS compliance with the J1939 and F9141 specifications.

Jan 2011–Mar 2013   **Systems Analyst, Maxwell Bohr**

SDR GSM Monitor

In this project i developed UHD drivers for the several SDR PCBs (including USRPs), the design and development of a new protocol between the PCBs and PC that enabled multichannel multirate and the implementation of the full GSM stack.

Embedded Linux

In this project i built a web application with the mongoose embeddable web-sever and SQLite that were responsible to group several serial devices and process and store their exported information. Besides that, this web application also used had support to plugins using dynamic linkage.

EDUCATION

2005-2011   **Universidade Estadual de Londrina**

Bachelor of Computer Science

In my computer scientist formation I took classes of the most traditional disciplines like Data Algorithms, Computer Organization, Computer Networks, Operating Systems, etc, which gave me a good base to think and deal with computer problems.

COMPUTER SKILLS

Programming Languages   C, C++, PHP, BASH

Frameworks   STL, CakePHP

Databases   MySQL, SQLite

VCS   GIT, SVN

OTHER INFORMATION

Languages

PORTUGUESE   Mothertongue

ENGLISH   Upper-Intermediate

May 9, 2019