

Curriculum vitae
Ing. Filip Eckstein

PERSONAL INFORMATION

Born in Prague, Czech Republic

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EDUCATION

Engineer's degree (Ing.), Electronics 2013 - 2015
Czech Technical University in Prague, Faculty of Electrical Engineering

- Master's thesis – „Methods of detecting harmonic distortions in the three phase power system“

Bachelor's degree (Bc.), Cybernetics and Robotics 2009 - 2012
Czech Technical University in Prague, Faculty of Electrical Engineering

- Bachelor's thesis – „Formation control in environment with dynamic obstacles“

CERTIFICATES

E-learning course for SW analysts 2016
Object Consulting s.r.o – RNDr. Ilja Kraval

Leading and facilitating of company meetings 2015
Gradua-CEGOS, s.r.o., License no. 69863/2015

Scrum and agile methods of development for practice 2013
ICT Pro s.r.o

PROFESSIONAL EXPERIENCE

Embedded SW Team Leader

2016 - present

ComAp a.s

- Leading of SW team consisted of 14 embedded software engineers
- Delivering SW projects as a technical leader
- Providing high-level SW decomposition and estimates to project managers
- Participating on implementation of SW issues (peak-shaving)
- Participating on performance management
- Resource management
- Creation of adaptation plans for newcomers
- Helping to manage holidays, trainings and technical sessions

Embedded SW Engineer

2012 - present

ComAp a.s

- Embedded systems design and development
- Software architecture for certain lower layer components of the controller units
 - From 2015, providing technical leadership of a specific SW components

Executive Team Coordinator (temporary part-time role)

2014 - 2015

ComAp a.s

- Coordinating ET meetings
 - Preparing meeting agenda
 - Participation on ET meetings and creating meeting minutes
 - Helping meeting facilitator to lead an effective meeting
 - Assembling company progress report according to materials from managers

Editor, journalist

2007 - 2011

PCTuning.cz, Týden

TECHNICAL STRENGTHS AND SKILLS

- **Work in team**

Experience with development of embedded SW projects.

- Trouble-free communication with the project managers and product managers. Leading and managing of implementation and architecture for the whole Embedded SW layer in the short and long term projects.
- Experiences with preparation of work for the other members of a team (using UML).
- Experiences with GIT and SourceAnywhere version control systems.

Experience with an agile development techniques (SCRUM).

- ***Embedded systems***

Global overview of microprocessors segment and other microcontroller peripherals from the engineering point of view. Solid experiences in programming of microprocessors (in the C language).

Adopted technologies:

- MCU programming (Renesas RX Family, ARM Cortex M3 and M4, Philips 8051, etc.)
- Real Time Operating Systems (FreeRTOS, Segger EmbOS)
- Communications (RS232, RS485, CAN, UART, USB, SPI)
- Board Support Package (support modules and peripheral drivers for the controller unit platforms)
 - EEPROM, FLASH, shift registers, RTC, AD/DA converters, timers, etc.
- Spectrum analyzation in the embedded systems (DSP) using Fast Fourier Transformation
- Signal generation in the embedded systems (PWM, sine wave, white noise, quadrature signal, triangular signal, etc.), Direct Digital Synthesis

- ***Adopted programming languages***

C, C++, Java, Python (beginner)

- ***Gen-sets and controllers***

Global overview in the field of diesel generators (alternators) and controllers.

ADDITIONAL INFORMATION

Driver license

Group B

Language skills

Czech – Native speaker

English – Upper Intermediate

German – Basic knowledge

Hobbies

Travelling

Squash

Fishing

Writing