

# Ing. Pavol Buzák

WEB DEVELOPER · SOFTWARE ENGINEER

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## Education

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### Slovak University of Technology/FEI

Bratislava

APPLIED INFORMATICS

2010 - 2017

- Professional publication - co-author Ing. Pavol Buzák (40%):  
Service based generation of Latex graphical dependencies  
[<http://www.inase.org/library/2014/books/bypaper/MCSI/MCSI-28.pdf>]

### High school of electrotechnical engineering, Hálova 16

Bratislava

ELECTROTECHNICAL ENGINEERING

2005 - 2009

## Courses and trainings

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### Lloyd's Register

Bratislava

INTERNAL AUDITOR QMS

2019

- ISO 9001:2015

### GART group

Bratislava

BIG DATA

2019

- Introduction into big data and overview about avinable technologies(Hadoop, HDFS, Hive, Apache Spark, ...)

### SPŠE Hálova 16

Bratislava

CERTIFICATE OF PROFESSIONAL ELECTROTECHNICAL COMPETENCY

2009

- class A electrical equipment up to 1000V

## Skills

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DEVELOPER DEVELOPER

**Symfony** expert (2 years)

**PHP(PSR-2)** expert (7 years)

**Nette** expert (7 years)

**MySQL** expert (7 years)

**Docker** advanced (2 years)

**ELK stack(Elasticsearch,** advanced (2 years)

**Kibana, Filebeat, Logstash)**

**HTML** expert (7 years)

**CSS** advanced (7 years)

**SASS** basic (2 years)

**JavaScript** advanced (5 years)

**Bootstrap** advanced (4 years)

**jQuery** advanced (4 years)

**GIT** advanced (2 years)

**Bitbucket** advanced (2 years)

<b>Bamboo</b>	advanced (2 years)
<b>YARN</b>	advanced (2 years)
<b>Webpack Encore</b>	advanced (2 years)
<b>Composer</b>	advanced (2 years)
<b>Prestashop</b>	advanced (2 years, 3 deplved projects)
<b>Microsoft SQL server</b>	basic
<b>Python</b>	basic
<b>PyTorch</b>	basic
<b>TEX</b>	basic

#### COMPUTER - USER

<b>Microsoft Excel</b>	advanced
<b>Microsoft Outlook</b>	basics
<b>Microsoft PowerPoint</b>	basics
<b>Microsoft Word</b>	advanced
<b>Microsoft Windows</b>	advanced
<b>UNIX/Linux</b>	advanced
<b>Adobe Photoshop</b>	basics
<b>Gimp</b>	basics
<b>OpenOffice</b>	basics
<b>LibreOffice</b>	basics
<b>TEX</b>	basics

## Language skills

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<b>Slovak language</b>	Mother language
<b>English language</b>	Intermediate (B2)
<b>Reading</b>	documentations in english without problems
<b>Writing</b>	with minor gramatical errors
<b>Speaking</b>	intermediate

## Work experiences

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### TREXIMA Bratislava, spol. s r.o.

*Bratislava*

IT SPECIALIST

*09/2017 - 09/2020*

- Development, maintainance and inovation of information systems in area of statistical surveys and for projects developed by company. Deployment, enviroment configuration and configuration of automatic deployment. Data models design, aplication models and documentations for projects. Information systems design, writing detailed final specifications, time estimate from workflow analysis and from custemr requirements.
- **Used technologies:** PHP, Symfony, Composer, YARN, Webpack Encore, GIT, Bibucket, Bamboo, Docker, MySQL, Microsoft SQL Server, Javascript, HTML, SASS(CSS), ...

### Net & Web Services, s.r.o.

*Bratislava*

WEB DEVELOPER

*08/2014 - 09/2017*

- Creating, analysis, implementation, actualization, testing of web pages and grafic work according to artwork.
- Used technologies: PHP, MySQL, JS, AJAX, HTML, CSS, ...
- **The main aim** of my work is autonomous creating of responsive web sites and web applications according to specification from customer. From writing of detailed specification, model proposal, database proposal to testing and embedding web pages on production environment.

## All4Net s.r.o.

Bratislava

WEB DEVELOPER

07/2013 - 08/2013

- Creating, analysis, implementation, actualization, testing of web pages and graphic work according to artwork.
- Used technologies: PHP, MySQL, JS, AJAX, HTML, CSS
- **The main aim** of my work was implementation of requirements to existing system providing eshops operation and administration.
  - Adding required functionality to existing code
  - Design implementation from graphic artwork

## Bachmann

Bratislava

TECHNICIAN - SOLDERING

02/2010 - 08/2010

- Repair and soldering mobile phones

## Driving license

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GROUP B

## References

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### Sector-driven innovation in the national system of occupations

Backend

[HTTPS://SUSTAVAPOVOLANI.SK](https://sustava.gov.sk)

2019 - 2020

Backend for work hours records, creating occupation standards, reviewing of occupation standards, event planning, document generation, user exporting and administration of project components

### Zberný portál

Vývoj systému

[HTTPS://ZBERY.TREXIMA.SK](https://zbery.trexima.sk)

2017 - 2020

Development of web application for unification of different statistical surveys, respondent evaluation, graph generation from retrieved data, administration of organizations

### Internetový sprievodca trhom práce

Vývoj a aktualizácia

[HTTPS://ISTP.SK](https://istp.sk)

2017 - 2020

Web application for job searching connected to work office of Slovak Republic and evaluation of job seekers

### Ficek.sk

Cooperation on project

[HTTPS://FICEK.SK](https://ficek.sk)

2015 - 2017

- Web page of **law firm of Ficek & Ficeková**, contains advisory service, to which people contribute daily with tens of questions and couple lawyers give an answer on them
- Web page was created in collaboration with several programmers and the functionality was added progressively to it on demand
- For programmers collaboration is used GIT version control system **GitHub**
- Used technologies: PHP, MySQL, HTML, CSS, JS, AJAX
- **My main tasks:**
  - SEO optimization, analysis of functionality and consecutive creation same application on new version of **PHP7** and **Nette 2.4**
    - \* Complete reprogramming was required because of inconsistent source code, ignoring basic programmers conventions, OOP principles and resulting therefrom frequent hardly predictable errors.
  - Creating of dynamic forms for generation of agreements in **PDF** and **DOCX** format
  - Implementation of basic algorithm for autonomous filling of punctuation marks and diacritics in Slovak language.

## Indarceky.sk

HTTPS://INDARCEKY.SK

Project  
2016 - 2017

- Eshop focused on selling of gift items, offering more than 2000 products
- Used technologies: PHP, MySQL, HTML, CSS, JS, AJAX
- **My main tasks:**
  - Installation of packages and server installation based on Debian Linux distribution
  - Administration of user accounts and permissions on Linux
  - Installation of **PrestaShop** system
  - Choose and embedding of already created graphic design
  - Embedding of eshop on production environment and consecutive testing
  - Implementing SSL certificate
  - Continuous actualization of eshop with newest stable versions
  - Installation of required modules, compatibility check and design fine-tuning
  - Implementation of new modules:
    - \* Export of products to XLSX format for Slovak Post - used library for generation of XLSX PHPEXcel
    - \* Automatized products import from different XML feed from supplier - used library for XML parsing SimpleXML
    - \* Module for display of exact dates of delivery
    - \* Module for faster categorization of products using AJAX technology

## Raspberry Pi based online control of thermooptical plant

Diploma thesis  
2017

- Web application, which allows remote experiments on thermooptical plant and its controlling with **Raspberry Pi 2**
- PID regulator is used for controlling peripheries
- Used technologies: PHP, MySQL, HTML, CSS, JS, Python, C
- **My main tasks:**
  - Installation and configuration OS Raspbian on Raspberry Pi 2, installation of remote VNC desktop, installation of Apache, PHP, MySQL, Scilab, Xcos
  - Design and implementation
  - Using, modifying and connection of completed solutions
  - Use of Python library ivPID and connection on PHP application, implementation of formula parsing functionality with use of pyParsing

## Divine cosmetics

HTTPS://DIVINECOSMETICS.EU

Project  
2016

- Eshop focused on selling of cosmetics
- Used technologies: PHP, MySQL, HTML, CSS, JS, AJAX
- **My main tasks:**
  - Installation of **PrestaShop** system
  - Design implementation from graphic artwork
  - Embedding of eshop on production environment and consecutive testing
  - Modules installation
  - Implementation of new modules:
    - \* Option for filling REG. ID, TAX. ID for companies in order/registraion form

## Online generation of grafical dependencies for $\LaTeX$

Bachelor thesis  
2015

- Web application, that allows generation charts in PDF, PNG, JPG and  $\LaTeX$  format
- Chart generation with use of different libraries (PGFplots, Gnuplottex) in  $\LaTeX$
- Used technologies: PHP, MySQL, HTML, CSS, JS, Bash,  $\LaTeX$
- **My main tasks:**
  - Installation and configuration of Debian Linux distribution on virtual machine named VirtualBox
  - Design and implementation
  - Implementation of own MVC model including templating system
  - JSON-RPC 2.0 protocol based service

## MB EURO-MONT

Project

2015

HTTP://ESHOP.MBMONT.SK

- Eshop focused on selling plastic windows and doors
- Used technologies: PHP, MySQL, HTML, CSS, JS, AJAX
- **My main tasks:**
  - Installation of **PrestaShop** system
  - Design implementation from graphic artwork
  - Embedding of eshop on production environment and consecutive testing
  - Modules instalation
  - Implementation of new modules:
    - \* More banners displayed in carousel using Bootstrap
    - \* Display of partners
    - \* Display of references
    - \* Captcha for contact form

## ParalaxCMS

Project

2014 - 2017

HTTP://PANEK.SK/, HTTP://GUERILLATIPS.COM/, HTTP://MEDICONET.SK/, ...

- Custom CMS system with aim on fast implementation of web pages from graphical artwork, SEO optimalization and option for creating custom plugins
- System created for company purpose
- **More than 30 projects** embedded on production environment
- Used technologies: PHP, MySQL, HTML, CSS, JS, AJAX
- Based on framework **Nette**
- **My main tasks:**
  - System design, detailed specification
  - Technologies design
  - Implementation of system
  - Actualization, adding functionality
  - Plugin creation
  - Embedding of eshop on production environment for different customers and consecutive testing
  - Plugin implementation:
    - \* Reservation form for Hotels and calendar of rooms occupation
    - \* Newsletter plugin with option for emails export in CSV format
    - \* Different forms for price proposal
    - \* Connection with PostgreSQL, logging, administration of user accounts and CRUD operations
    - \* Registration form for different conferences

## More informations

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<http://www.bpavol.sk>

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