Filip **Klimeš**

SOFTWARE ENGINEER

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Education

Czech Technical University, Faculty of Electrical Engineering *Prague, Czech Republic*

M.S. (ING.) IN OPEN INFORMATICS *Sep 2016 - Jun 2018*

- Computer Science and Software Engineering.
- **Summa cum laude**.
- Specialization in Software Engineering.

Czech Technical University, Faculty of Electrical Engineering *Prague, Czech Republic*

B.S. (BC.) IN SOFTWARE ENGINEERING AND MANAGEMENT *Sep 2012 - Jun 2016*

- Software Engineering specialization.
- **Summa cum laude**.
- I got to work with the following programming languages: C, C++, Java SE, Java EE, Python and SQL.
- At first, I studied Electrotechnics & Energetics, but I transferred to Software Engineering after successfuly finishing the first year, as I discovered my passion in programming.

Grammar School, Jírovcova 8, České Budějovice *České Budějovice, Czech Republic*

GRAMMAR SCHOOL *Sep 2008 - Jun 2012*

- Graduated with honors from Mathematics, Physics and Czech Language.
- Participated in student competitions in Physics, English and Biology.
- I passed exams for **First Certificate of English**, mark **A+**, guaranteeing my English is at C1 level.

Experience

Cogvio Medical, s.r.o. (Medevio) *Prague, Czech Republic*

LEAD DEVELOPER *Mar. 2020 - Present*

- Leading the software development in Cogvio Medical. Hands-on architecture and programming of backend APIs, plus overseeing development of a web application and two mobile applications (Android and iOS). Helping with project and product management leveraging agile techniques.
- Technologies: **Java 11 (Spring Boot, Hibernate), Kotlin, JavaScript (Typescript, React, Parcel), PostgreSQL, DynamoDB, gRPC, AWS, GCP, Docker, Terraform, Cryptography, Messaging (AWS SNS), Continuous integration and delivery**

Cogvio, s.r.o. *Prague, Czech Republic*

SENIOR BACKEND DEVELOPER *Mar. 2017 - Present*

- Analysis, design, implementation, testing, deployment and maintenance of multiple Cogvio products, namely Price Monitor, Market Access Monitor and Patient Registry. Modelling and automatization of data processes.
- Technologies: Java 11 (Spring Framework, Hibernate), Kotlin, JavaScript, Python, PostgreSQL, ElasticSearch, AWS, Docker

Hiri.cz (Startupedia s.r.o.) *Prague, Czech Republic*

LEAD BACKEND DEVELOPER *Jan. 2015 - Mar. 2017*

- Analysis, design, implementation, testing, deployment and maintenance of Hiri.cz job portal's back-end.
- I designed and lead development of REST API behind Hiri.cz SPA client. The API is responsible for business logic of the job portal and provides data persistence.
- Technologies: PHP 7 (Nette Framework, Doctrine ORM, Symfony Framework Components, Behat, Nette Tester), Javascript (Node.js), PostgreSQL, Redis

Startupedia s.r.o. *Prague, Czech Republic*

FULL-STACK DEVELOPER *Nov. 2016 - Mar. 2017*

- Analysis, design, implementation, testing, deployment and maintenance of HR tool for external customer.
- As a side project, I developed a small HR tool for external client of Startupedia s.r.o., which helps to map skills and psychometrical data of employees among divisions and helps filter them based on these information.
- Technologies: PHP 7 (Nette Framework, Nette Database, Codeception, PHPUnit), MariaDB

StartupJobs.cz (Startupedia s.r.o.)
FULL-STACK DEVELOPER

Prague, Czech Republic

Nov. 2013 - Mar. 2017

- Development, testing and maintenance of job portal for startups in Czech Republic.
- I lead refactoring of application's model layer from Nette Database to Doctrine ORM.
- I also lead refactoring of application's internal order process and connected it to new e-payment system.
- Later in the development, I specialized mainly on back-end features and performance issues.
- Technologies: PHP 5 (Nette Framework, Doctrine ORM, Symfony Framework Components, Nette Tester), MySQL/MariaDB, HTML5, CSS (LESS), JavaScript (jQuery)

Geekshop.cz (Geek Distribution s.r.o.)
FULL-STACK DEVELOPER

Prague, Czech Republic

Nov. 2013 - Apr. 2014

- Development, testing, deployment and monitoring of unique e-commerce solution for e-shop with branded clothing.
- I connected the system to baking and logistic APIs.
- I helped with automatization of store process, like barcode scanning, automatic emails about order confirmation and order expedition.
- Technologies: PHP 5 (Zend Framework), MySQL, HTML, CSS, JavaScript (jQuery), Git, CentOS

Jiří Palička s.r.o.
FULL-STACK DEVELOPER

České Budějovice, Czech Republic

Jul. 2011 - May 2013

- Analysis, implementation and maintainance of e-commerce solution for a family business with work clothing and equipment.
- Technologies: PHP 5, MySQL, HTML, CSS

Extracurricular Activity

Upsilon Pi Epsilon
VICE-PRESIDENT

Prague, Czech Republic

Mar. 2017 - Mar. 2019

- I was elected as the vice-president of the Czech chapter of Upsilon Pi Epsilon honor society.
- Organizing various academic events, managing chapter's communication channels, managing finances.

Upsilon Pi Epsilon
MEMBER

Prague, Czech Republic

Since Jan. 2017

- I have been accepted to the Czech chapter of Upsilon Pi Epsilon honor society based on my great GPA from B.S. studies.

Czech Technical University, Faculty of Electrical Engineering
TECHING ASSISTANT

Prague, Czech Republic

Sep. 2016 - Jan. 2017

- I assisted with teaching A4B36SI/A7B36USI - Introduction to Software Engineering classes under Ing. Tomáš Černý, MSc., PhD. supervision.

Nette Foundation
CONTRIBUTOR

Prague, Czech Republic

Since Jan. 2015

- I have been contributing to Nette Framework documentation and code. I have also attended informal meetings of its community and met many interesting people in the field.

Publications

Aspect-driven context-aware services
KAREL ČEMUS, FILIP KLIMEŠ, TOMÁŠ ČERNÝ

FedCSIS 2017

Sep. 2017

- I participated in writing of a publication about research topic related to my Master Thesis.
- Published in 2017 Federated Conference on Computer Science and Information Systems (FedCSIS).
- Keywords: **Business, Service-oriented architecture, Maintenance engineering, Scalability, Complexity theory, Data models, Protocols**

Separation of Concerns for Distributed Cross-platform Context-aware User Interfaces
KAREL ČEMUS, FILIP KLIMEŠ, ONDŘEJ KRATOCHVÍL, TOMÁŠ ČERNÝ

ICITCS 2016

Sep. 2016

- I participated in writing of a publication about research topic related to my Bachelor Thesis.
- Published in Cluster Computing Journal (impact factor 1.514).
- Keywords: **Aspect-oriented programming, Enterprise information systems, User interface, Code generation**