

# Ondřej Kratochvíl

SOFTWARE ENGINEER · JAVA DEVELOPER

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## Education

### Faculty of Electrical Engineering of Czech Technical University (FEE CTU)

Prague, Czech Republic

M.S. (ING.) IN SOFTWARE ENGINEERING

September 2016 - June 2018

- Open Informatics programme
- Master's thesis topic: Home health care scheduling
- Attended classes/worked with technologies including Big data/NoSQL, JavaScript, Python, Combinatorial optimization, Parallel algorithms, Evolutionary algorithms

### Faculty of Electrical Engineering of Czech Technical University (FEE CTU)

Prague, Czech Republic

B.S. (Bc.) IN SOFTWARE ENGINEERING

September 2013 - June 2016

- Software technologies and management programme
- Bachelor thesis topic: Use of Business Rules in Forms in Information Systems
- Attended classes/worked with technologies including Java, JEE, Spring, C/C++, C#, Unity, Scala, SQL, XML, Software project management, Data mining

### Gymnázium Praha 6, Nad Alejí

Prague, Czech Republic

GRAMMAR SCHOOL

September 2005 - June 2013

- Graduated with honours

## Experience

### Deutsche Börse Services s.r.o.

Prague, Czech Republic

JAVA DEVELOPER

July 2017 - present

- Energy department – development of a platform for electricity trading across Europe
- Focus on performance, high availability and throughput
- Agile development in a scrum team
- Emphasis on test coverage, peer review
- Used technologies including RabbitMQ, Spring framework, LMAX Disruptor, Akka actors, Cucumber, Ansible, Docker

### Eagle Eye Networks B.V.

Amsterdam, Netherlands

JAVA DEVELOPER

February 2019 - July 2019

- Development of a cloud video surveillance platform
- Heavy focus on microservices and containerization
- Low level communication with cameras using video protocols
- Used technologies including Spring framework, Kubernetes, Helm, Elasticsearch, FluentBit, FluentD

### AspectWorks, s.r.o.

Prague, Czech Republic

JAVA DEVELOPER

November 2016 - May 2017

- JEE application development for Active24 hosting provider
- REST API for calling remote XML-RPC servers, asynchronous request handling via dynamic queues
- Used technologies including JEE, ActiveMQ, MySQL, Arquillian, WildFly

### Keyup IT Services, s.r.o.

Prague, Czech Republic

FULL STACK DEVELOPER

June 2014 - July 2017

- Analysis, design, (full stack) development, testing and maintenance of web applications built on Java platform
- Bluenomics - macroeconomic data visualization, parsing large files in various formats
- Martillero - auction site, supporting online auctions
- Wellen Tools - retail management system, complex evidence of past and future states
- Ocellot - thorough POS system, including registration of sales, custom abstract entity filtering module/framework
- Minor system administration tasks (Debian, nginx, Tomcat, Varnish, PostgreSQL)
- Used technologies including Spring framework, Apache Wicket, Hibernate, PostgreSQL, JavaScript (ReactJS, Redux), HTML, CSS, Git, Jenkins, Apache Maven

## Certifications

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### Certificate in Advanced English (CAE)

CAMBRIDGE ENGLISH LANGUAGE ASSESSMENT

- Equivalent to C1 level of the CEFR

*Prague, Czech Republic*

*June 2012*

## Publications

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### Distributed Multi-platform Context-aware User Interface for Information Systems

*ICITCS 2016*

KAREL ČEMUS, FILIP KLIMEŠ, ONDŘEJ KRATOCHVÍL, TOMÁŠ ČERNÝ

*September 2016*

- Paper presenting the issues of current approach to web application design concerning duplication of concerns and reusability with focus on UI
- The solution to the issues was based on aspect oriented programming (AOP), demonstrated on a case study
- The paper was published in Cluster Computing Journal with impact factor 1.514