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I am a software engineer with product focus, broad freelance and industry experience and a strong computer science background. I am very interested in artificial intelligence, in which I am currently pursuing a PhD research degree. I am a fast learner, open to new technologies and challenging problems.

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## EDUCATION

**King's College London**

**September 2015 – Present**

*Master / Doctor of Philosophy in Computer Science*

In my research I am interested in Artificial Intelligence and its practical applications. My focus are agent systems, in particular modelling and stereotyping behaviour.

**King's College London**

**September 2011 – August 2014**

*Bachelor of Science (Hons), Computer Science with Intelligent Systems (AI)*

I have completed my undergraduate degree with a straight A academic record in all modules with an average mark of 89% — at the top 1% of the course. Throughout the degree, I have been involved in many activities — academical, social and sports. I was a student representative at the Staff Student Liaison Committee. I was helping to run King's College London St. John Ambulance Society as its IT officer, as well as supporting KCL Computing Society as its web developer. I have also represented the university in rowing as a member of KCL Rowing Boat Club. During my time as an undergraduate student I have been awarded many prizes, chief among which is the prestigious Jelf Medal, awarded by the Principal of the University to the most distinguished undergraduate student in the school.

**Czech Technical University in Prague**

**September 2010 – August 2011**

*Bachelor of Science, Informatics and Computer Science*

I have successfully completed a first year of undergraduate degree at CTU, after which I have decided to finish my undergraduate studies abroad, at King's College London.

**Gymnázium Arabska, Prague, Czech Republic**

**September 2006 – August 2010**

*Grammar School (High School), Mathematics and Computer Science Class*

I have graduated in Mathematics, Computer Science, Czech Language and English Language with a straight A academic record. During my high school studies, I have represented my school at contests such as Mathematical, Physical and Informatics Olympiads and in 2009 I have competed in the Czech national round of The Informatics Olympiad.

# EMPLOYMENT

## Twitter UK Ltd.

August 2014 – September 2015

*Full-stack Software Engineer,*

I worked in both front-end and back-end teams on TweetDeck, Twitter's official client for journalists and other professional users. In the front-end team I worked on designing and implementing an integration testing library, which enabled reliable testing environment setup. In the back-end team I have worked with, designed, implemented and supported a distributed Twitter APIs in both Scala and Python.

## JMX.CZ s.r.o.

January 2007 – Present

*(Freelance) Web Developer*

As a freelance web developer, I have designed and implemented a variety of websites and web applications based on client's requirements. One of the most interesting projects was designing and developing a patient management system for Laser Clinic Andel in Prague, in PHP and MySQL.

## Twitter UK Ltd.

July 2013 – September 2014

*Software Engineering Intern*

I have been hired by Twitter as its first engineering intern in Europe. As part of TweetDeck's front-end team, I researched and developed UX improvements for touch devices.

## Targetz Ltd.

November 2012 – June 2013

*Web Developer Intern*

During my internship with a small startup called Targetz, I was responsible for designing and implementing statistics & analytics dashboards. Written in d3.js and various other javascript visualisation libraries with a backend in PHP and MongoDB.

# WORK-RELATED EXPERIENCE

I am a **Scout Leader** — organising events (including summer camps), the entertainment, health and safety of the scout children.

I have competed in many hackathons. Recently together with my teams, I **won STRV Apple Watchkit Hackathon** with **On The Dot** app & **won HackKing's Hackathon** with **ReachHome** Pebble app.

# LANGUAGES

- **Czech** (Native)
- **English** (Bilingual Proficiency)
- **Russian** (Elementary Proficiency)

# TECHNICAL SKILLS (Examples of projects)

- **iOS Development [Swift]**  
Created and sold Days app with ~100k users and average 4.7 / 5 stars rating
- **Android Development [Java]**  
Developed and published two apps in Google Play Store with more than 30k installs
- **Scala & Java Development**  
Worked with, designed, implemented and supported as oncall distributed Twitter APIs
- **Nodejs & mongodb**  
Implemented several APIs for side-projects in expressjs & koajs frameworks
- **Front-end [Javascript, HTML & CSS, React]**  
Worked on front-end of the TweetDeck app, implemented visual designs for many websites
- **PHP & MySQL [Nette Framework]**  
Developed a hotel reservation system for hotel Spaleny mlyn
- **Python**  
Maintained and supported as oncall engineer TweetDeck API written in Python
- **C# Development**  
Developed a *GUI* application of a configurable game of life, with its simulation
- **C Development**  
Designed and developed an algorithm for robot control (line following, garbage collection)
- **Linux maintenance, Bash scripting**
- **Git Versioning System**
- **LaTeX Typesetting System**