

Misels Kaporins

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*M.Sc. in Computer Science
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Work Experience

- Sep 2018 – present **Software Engineer,**
ti&m AG, Zurich, Switzerland
- Feb 2017 – Aug 2017 **Software Developer Intern,**
Microsoft, Zurich, Switzerland
- Developed Visual Studio Code (VS Code) features and fixed bugs in TypeScript.
 - Enabled VS Code community-driven localisation, fully automated and integrated the localization pipeline with Transifex API using Node.js.
 - Automated smoke testing process using Spectron framework.
 - Designed and implemented in-editor colour picker together with the proposed extension API.
 - Introduced improvements to the debug mode of the tool.
 - Won Microsoft One Week Hackathon in Switzerland by developing a stand-up system utilizing Cognitive Services API in the team of three members.
- Sep 2014 – Feb 2017 **Software Developer,**
Saville Assessment, Willis Towers Watson, London, United Kingdom
- Developed customer-facing web applications, integrated with on-premises services (e.g., Dynamics CRM).
 - Assisted fellow developers with the work on XML data transformations as well as the implementation of internally established tools in .NET.
- Aug 2013 – Aug 2014 **Software Developer Intern,**
Saville Assessment, Willis Towers Watson, London, United Kingdom
- Maintained, developed and deployed ASP.NET MVC on-premises and cloud websites to facilitate company's work. Integrated internal systems with developed websites.
 - Produced .NET software tools to assist testing and consultancy work.
 - Enhanced CRM system by designing and introducing client-side scripts and workflows to assist work of the marketing department.
 - Developed and designed XSL code to perform XML data transformations.
 - Responsible for R&D department technological consulting.
- Jan 2006 – Dec 2009 **Projects Developer & Manager,**
NeOn Solutions, Riga, Latvia

Education

- Sep 2015 – Aug 2018 **ETH Zürich,** Switzerland
M.Sc. in Computer Science
- Designed and built a system that allows to securely store, retrieve and run data analytics over IoT data.
 - Implemented a middleware platform for KV-stores with replication mechanism using Java NIO.
 - Developed Mancala game with different AI algorithms in Eiffel as part of a distributed team, achieving the highest grade of 6. Evaluated and presented a solution (Ravana) for SDN controller fault-tolerance in datacentres during the SDN seminar.

- Sep 2016 **ETH Zurich**, Switzerland
Blockchain & IoT Summer School
- Increased understanding of Blockchain by developing a smart contract in Solidity that enables direct debit and standing order operations in Ethereum Blockchain.
- Sep 2011 – Jul 2015 **Newcastle University**, United Kingdom
B.Sc. in Computing Science (Mobile and Distributed Systems), First Class Honours
- Awarded with Faculty of Computing Science Excellence Scholarship.
 - Advanced problem-solving and team-working skills by delivering and presenting healthy grocery shopping Android application during SE team project.
 - Created Android socket-based chat application that allows chatting with people within a certain radius (worked from business case/moodboard/personas until the final code delivery).
 - Gained theoretical and practical competence in cryptography as well as system, network and website security.
- Aug 2012 **Accenture**, Latvia
Summer Java Boot Camp 2012
- Performed test-driven development, conducted component level testing.
 - Implemented obfuscated URL-based anti-spam solution for JForum with extracting full IP address chain if bot proxy was used.
 - Enhanced software project management skills.
- Sep 1999 – Jun 2011 **Riga Classical Gymnasium**, Latvia
Mathematics (80%), Physics (90%), Computer Science (100%)
Equivalent to Matura

Professional Skills

- Languages** ASP.NET, C#, Java, TypeScript, JavaScript, Python, CSS, HTML, XSL, SQL, UML.
- Frameworks** Comprehension of MVC frameworks (ASP.NET MVC), experience with ORM techniques (Entity Framework, Redbean) and others (Node.js, JQuery, Bootstrap).
- System administration** In-depth knowledge of Windows, Linux and OS X environments. Knowledge of TCP/IP network stack, CDN, cloud computing (Microsoft Azure, AWS), DevOps.

Achievements & Qualifications

- Aug 2012 **Accenture Latvia**, Java course
- Acknowledgment of completing 160-hour Software Engineering course.
- Apr 2011 **Latvian 35th pupil scientific conference**, Physics division
- II level diploma
- Recognition declared by President of Ministers of the Republic of Latvia.

Additional Skills & Interests

- Languages** English (fluent), Russian (mother-tongue), Latvian (fluent), German (moderate)
- Interests** Technology, Psychology, Philosophy, Sports

References available upon request