

Michel Kaporin

Address and phone number
are hidden for privacy reasons.

M.Sc. in Computer Science
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Work Experience

May 2021 – present
Senior Software Engineer,
Snyk, Zürich, Switzerland

Sep 2018 – Apr 2021
Software Engineer,
ti&m AG, Zürich, Switzerland

- Promoted to Professional Software Engineer in 2020.
- Led a full-stack development (.NET Core, Angular) of an ERP system from prototyping to production with event-driven architecture, CQRS and DDD.
- Implemented interface to participate in event-based architecture with service bus messaging (NServiceBus) to decouple systems and reduce load on fat clients.
- Optimised SQL data layers performance (SQL Server, EF Core, Dapper).
- Developed microservices with event-sourcing for Microsoft Azure with Cosmos DB.
- Replaced legacy web frontends with SPAs (Angular, RxJs, DevExtreme) with Rest API (.NET Core Web API).
- Developed mixed reality work exhibition project using Microsoft HoloLens and Unity MRTK.

Feb 2017 – Aug 2017
Software Developer Intern,
Microsoft, Zürich, Switzerland

- Developed features and fixed bugs in Visual Studio Code.
- 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 3 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 XSLT and internally established tools in .NET.

Aug 2013 – Aug 2014
Software Developer Intern,
Saville Assessment, Willis Towers Watson, London, United Kingdom

- Maintained and developed ASP.NET on-premises and cloud websites.
- Produced .NET software tools to assist testing and consultancy work.
- Developed client-side scripts and CRM workflows to assist marketing department.
- Worked on XSL code to perform XML data transformations.
- Responsible for R&D department technological consulting.

Jan 2006 – Dec 2009
Projects' Developer & Team 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 time-series IoT data with a modest memory footprint.
- 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 for SDN controller fault-tolerance (Ravana) in datacentres within a scope of SDN seminar.

Sep 2016

ETH Zürich, 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 TDD. Enhanced software project management skills.
- Implemented obfuscated URL-based anti-spam solution for JForum with extracting full IP address chain if bot proxy was used.

Professional Skills

Languages C#, Java, TypeScript, JavaScript, Python, XSL, SQL, HTML, CSS, UML.

Frameworks .NET (Framework, Core), DI (.NET Core, Lamar), MVC (ASP.NET MVC), ORM (Entity Framework, EF Core, Dapper), web application (Node.js, Angular, React), mixed reality (Unity MRTK), others (NServiceBus, Hangfire).

System Windows, Linux, OS X. TCP/IP, CDN, cloud computing (Azure, AWS), DevOps.

Achievements & Qualifications

Jul 2019 **ISAQB**, International Software Architecture Qualification Board
▪ Certified Professional for Software Architecture (Foundation Level)

Sep 2017 **ETH Zurich**, IoT Summer School
▪ Certificate of Participation in Blockchain & IoT Summer School

Aug 2012 **Accenture Latvia**, Java course
▪ Acknowledgment of completing 160-hour Software Engineering course.

Additional Skills

Languages English (fluent), Russian (mother-tongue), Latvian (fluent), German (moderate)

References available upon request