



Dušan Rychnovský
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Dušan Rychnovský

Software engineer

About me I am a software engineer with many years of experience, mostly in Java, distributed computing and C#/Azure. My biggest strengths are analytical thinking, proficiency with software engineering tools and practices and background in computer science.

You can find me at [LinkedIn](#). You might also be interested in my [Stack Overflow](#) and [GitHub](#) accounts and my [technical blog](#).

Experience

Microsoft, 2017 - current

Working on Dynamics Marketing, a successful marketing automation platform, which allows to elevate customer experiences and orchestrate personalized journeys across all touchpoints.

I played a major role in implementing the lead scoring and consent management systems, and in maintaining an in-house distributed computing platform, including requirements and technical design, assuring quality, continuous integration and deployment and a 24/7 livesite rotation.

C#, Azure, Kubernetes, Azure Devops

Seznam.cz, 2015 - 2017

Working on Robot, web crawling component of Seznam's fulltext-search engine, which maintains an index of multiple billion most interesting web pages and images from all over the Internet.

I incorporated neural networks for image-content recognition, speeded up link-analysis based signals calculation and ported it onto a new platform, added support for videos to the system for fast crawling of fresh content (such as news-sites).

Java, Hadoop, Spark, HBase, Euphoria, Akka, GIT, Maven, Linux

Casenet, 2014 - 2015

Working on TruCare, an enterprise-level care management system used by large US health maintenance organizations.

I took part in building a REST API for mobile and other external clients and in the development of a platform for extending the application with third-party correspondence systems.

Java, Spring, Hibernate, Jersey, GIT, Maven

X-Center, 2011 - 2014

Working on an ECM solution used by many large hospitals, insurance companies, etc. from around the world.

Java, OpenText technologies, SVN, Maven

Education

2011 - 2014

M.S in Software Engineering at the Faculty of Mathematics and Physics, Charles University in Prague

Master Thesis: [Generating of Synthetic XML Data](#)

2008 - 2011

B.S. in Computer Science at the Faculty of Mathematics and Physics, Charles University in Prague

Skills

Java

Java, Spring, Hibernate, Akka,

Distributed Computing

HDFS, Hadoop Map-Reduce, HBase, Apache Spark, Euphoria

Azure

C#, Kubernetes, Blob Storage, Cosmos DB, Azure Devops

Build Tools & Versioning Systems

Maven, Git,

Languages

Czech (native speaker), English (fluent), German (basic).