

I'm passionate about building a great team and simplicity in my solutions. My family and running help me to stay in balance while always looking for a new challenge.

Team Lead Software Engineer @ Movio 🇬🇧 since Dec 2012

Led port of high throughput application to send email marketing campaigns from monolithic to microservice architecture.

🐹 Go 📦 Scala 🏠 akka ☄️ Kafka 🐊 Cassandra 🐳 Docker 🏠 Kubernetes

Set up monitoring, alerting and continuous integration platform for quick turnaround (dev to prod in 1 min) in microservice setting.

🐼 Prometheus 📊 Grafana 🐣 Jenkins 🐳 Docker 🏠 Kubernetes

Technical lead for large client integration project.

📦 Scala 🏠 akka 🐘 MariaDB · XML

Led interface localization of main web application.

🐍 PHP 📦 Scala 📄 Java · XSLT · gettext

Ported performance critical segmentation application from row- to column-oriented database to achieve 100-500x speed up.

📦 Scala 🐍 PHP 🐘 MariaDB · MariaDB ColumnStore / InfiniDB

Software Engineer @ IPTEGO (now part of Oracle) 🇩🇪 16 months

Designed and developed web application for monitoring and inspection of possible fraud cases in VoIP network.

🐍 Python · Flask 📄 Javascript · ExtJS

Developed a multi-process application to detect and prevent fraudulent use of VoIP networks based on packet inspection.

🐍 Python 📦 Redis · ZMQ

Software Engineer @ SAP Labs 🇺🇸 3 months, internship

Developed compiler-frontend and AST transformer for research programming language.

📺 Newspeak 📄 Javascript

Software Engineer @ Finnlabs 🇩🇪 16 months, part-time

Transformation of semi-structured dictionary data for optimized search access on pons.eu.

XSLT 📄 Java

Developed web application interface for community-driven dictionary.

📌 Ruby · Ruby on Rails

Software Engineer @ SAP Research 🇨🇭 7 months, internship

Developed a mobile phone application to enable end-user access to SAP business services.

📄 Java · XML · Android

Implemented an OASIS standard-compliant web-service messaging component.

📄 Java · SAP Netweaver JEE

Web Developer @ Worcester Polytechnic Institute 🇺🇸 13 months, part-time

Developed web interface to manage sensor readings from fire safety experiments.

📄 Java · JSP/Servlets · Oracle DB

Assisted transport as community service @ Red Cross 🇩🇪 10 months

Software Engineer @ Charles River Laboratories 🇺🇸 2 months

Designed and implemented a phone directory with support for user privileges.


📄 Java · JSP/Servlets · MS SQL Server · MS Access

Tech

Java	#####	MariaDB	####	Emacs	#####
Scala	####	Kafka	##	coreutils	####
Go	##	<u>ColumnStore</u>	##	git	####
Javascript	##	Cassandra	##	Jenkins	####
Python	##	Redis	##	XML	####
Ruby	#	Docker	##	JSON	###
PHP	#	Kubernetes	#		

~ one year of professional experience

Academia

M.Sc. @ Hasso Plattner Institut  in 2010

B.Sc. @ Worcester Polytechnic Institute  in 2007

Ph. D. candidate @ Hasso Plattner Institut  10 months

Teaching Assistant @ Hasso Plattner Institut  6 months

Research Assistant @ Brown University  2 months