Daniela Remenska

software engineer & team lead

Utrecht, The Netherlands (+31) 641225332 | remenska@gmail.com
https://www.linkedin.com/in/remenska
https://scholar.google.nl/citations?user=JGCWSdgAAAAJ
https://github.com/remenska

SUMMARY

Backend engineer interested in all things software engineering, with a special passion for distributed systems, (micro-)services, API design, and domain driven modeling.

I get motivated by working for real customer impact, and I deeply believe that the best way to accomplish amazing things is through teamwork.

My PhD journey taught me how to approach complex problems, write well, and communicate effectively.

EXPERIENCE

eBay Classifieds Group / Adevinta, Amsterdam - *backend software engineer, team-lead*

NOV 2016 - present

Started as novice golang backend engineer for a first-party advertising solution for the classifieds domain, quickly ramped up to wear a team-lead hat of the cross-functional team focused on the seller journey of the product.

As a backend developer, I:

- develop and co-own multi-tenant services to accomplish some of the core functionalities in the domain of ads
- work closely with the product owner on the vision of the product, the strategy, and tactics to get there
- work with customer support and API partners
- prioritize tech debt and made sure it gets tracked and tackled continuously
- design RESTFul APIs

As a team lead, I:

- co-author and maintain developer guidelines, to scale the knowledge transfer in the team
- continuously work on improving the team cohesion and psychological safety
- work closely with the scrum master to continuously iterate on a lean process to ensure team cohesion and progress

- clarify the wider context of the work to everyone in the team, unblock team members when needed

Relevant projects:

- took part in rebuilding the reporting engine used by our sellers to gain insights into the performance of their ads. Moved from a pre-aggregated non-scalable MySQL solution to a columnstore engine Clickhouse, reducing the latencies of report generation from minutes to sub-second; built a library-supported API called analytica (inspired by Yandex's metrica) that allows for flexible slicing and dicing of the raw events data (25 billion events as of now)
- was the main technical lead behind the long-time anticipated seller-level-budget feature. The adoption was 30% of our active user base within the first month(s). Took the core domain model from a rudimentary per-ad management, to campaigns as first class citizens for ads, which unlocked a potential to operate on a bulk of ads with a separate budget and targeting

Netherlands eScience Center, Amsterdam - *eScience Engineer*
JUN 2015 - NOV 2016

- worked with diverse research domains, on projects fostering the development of overarching scientific software and methods for the benefit of a broad scientific community
- developed "pythonic" interface to the ROOT I/O format, primarily for loading and saving python Pandas dataframes in the ROOT format.

  The legacy C++ (born at CERN) ROOT format was considered too "heavy-duty" and with a steep learning curve, at the time when most of the high-energy physics researchers already had a preference for doing statistical analysis in python, supported by libraries like numpy and pandas. My work allowed researchers to do quick ad-hoc data analysis in python, without the need for privileged access to the machines they used in public labs

NIKHEF - National Institute for Subatomic Physics, Amsterdam - *LHCb liaison | Physics Data Processing group member*
OCT 2010 - MAR 2015

- modeled and developed a data management module responsible for recalling files from tape (custodial) storage
- was the contact person for the LHCb experiment at CERN, grid expert on call: carrying out operational activities on the DIRAC grid framework used for production, data, and job management, for high energy physics communities needing access to distributed resources

MAK-System International Group, Skopje - *Java developer*
FEB 2007 - SEP 2008

- developed and maintained eRiskLine software for collection of incidents and risk information management according to user defined procedures; used in healthcare environments for haemovigilance and pharmacovigilance

Institute of Informatics, Skopje - *Lab instructor*

SEP 2004 - JAN 2006

- taught graduate level Informatics courses for the Bachelor of Science in Sociology program. Shared responsibility for lectures, exams, homework assignments, and grades

EDUCATION

Vrije Universiteit Amsterdam, Amsterdam - *PhD in Computer Science*

OCT 2010 - MAR 2015

Dissertation Topic: "Bringing Model Checking Closer To Practical Software Engineering"

Stan Ackermans Institute for Technological Design, TU/Eindhoven, Eindhoven - *Professional Doctorate in Engineering (PDEng), Software Technology*

OCT 2008 - OCT 2010

Dissertation Topic: "Optimization of Large Scale High Energy Physics Data Analysis"

Institute of Informatics, University of St "Cyril and Methodius" - *Graduated Engineer in Informatics*

SEP 2001 - DEC 2006

Dissertation Topic: "Application of Markov chains in Google's PageRank Technology"

LANGUAGES & TECH STACK

Golang, Python, Java (very basic proficiency)
ELK stack, Jenkins, Consul, Nomad, Prometheus
MySQL, Kafka, Redis, Clickhouse, ElasticSearch, Hive

COMPLETED COURSES OF INTEREST

O'Reilly Online Learning

January 2023

- "**Go Production Patterns and Anti-Patterns**"

Udemy

January 2023

- **"Data Science: Natural Language Processing (NLP) in Python"**
- **"Time Mastery For Managers"**

LinkedIn Learning

January 2023

- **"Building Resilience As a Leader""**
- **"Cultivating Mental Agility"**

June 2021

- **Product Management First steps"**
- **"Software Design: Code and Design Smells"**
- **"Software Architecture: Patterns for Developers"**

February 2021

- **"DevOps Foundations: Microservices"**

January 2021

- **"Software Architecture: Domain-Driven Design"**
- **"Cultivating Mental Agility"**