

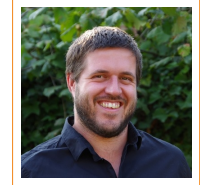
Tom De Nies

Curriculum Vitae

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Experience

Freelance Contracts

Since 2019 **Freelance Developer**, *Toptal*, USA (remote - part time).

Toptal is an exclusive network of the top freelance software developers, designers, finance experts, product managers, and project managers in the world. I've been working with various JavaScript-based frontend technologies (primarily Vue) for multiple clients since late 2019.

Since 2018 **Full Stack Developer**, *QDots*, Belgium.

This startup is creating a novel way to check knowledge through a conversational approach. I joined as a developer to build the full technology stack (MongoDB, Express, AngularJS, Node) for the prototype's content management.

Summer 2020 **Frontend Developer**, *KU Leuven*, Belgium.

I worked as a freelance Angular developer on the European project FanTALES, where I helped develop an authoring application for interactive storytelling for learning languages. See <https://www.fantales.eu/>

2018 - 2020 **Software Lead**, *Strategic Water*, Belgium.

Strategic Water is a Belgian startup, aimed at water technology providers, merging cutting-edge data science with water treatment technologies, in order to optimize performance and increase sales. I was in charge of the development of the analytical dashboard's full technology stack (MongoDB, Express, Angular, Node) <https://strategicwater.be>

2017 **MVP Developer**, *Hyperflow.tv*, Australia.

Hyperflow is a startup whose main product is a next-generation video tagging platform for connecting people with knowledge and services through media. I was hired to build the front- and backend of the first working prototype, based on the founder's ideas, designs and mockups.

Employment

May – Dec. **Postdoctoral Researcher**, *imec – Ghent University – IDLab*, Belgium.

2016 After obtaining my PhD in May 2016, I remained as a postdoc with the lab, which underwent some changes: iMinds became imec, and Data Science Lab merged into IDLab. My main tasks were to lead a research project, follow up on PhD students' research, write project proposals, and consulting organizations about the benefits of Linked Data.

March 2014 **Visiting Researcher**, *VU Amsterdam*, The Netherlands.

During my 1-month visit to VU Amsterdam, I was mostly working on my research in the field of provenance reconstruction and trust assessment, in collaboration with the people from the Web & Media and Knowledge Representation & Reasoning Groups.

2011–2016 **Researcher**, *iMinds – Ghent University – MMLab*, Belgium.

My PhD research was centered around automatic assessment of the value and trustworthiness of content on the Web, based on enriched metadata and provenance. Detailed responsibilities:

- research & prototyping in the context of national and international projects;
- individual research efforts and proposal writing;
- contributions to standardization at W3C (i.e., Provenance Working Group in 2012–2013);
- supervision of master theses and exercises for the Multimedia course.

2010–2011 **Junior System Engineer**, *Realdolmen*, Belgium.

As a system engineer, I was deployed in various companies and projects for the installation, configuration and management of IT infrastructure components, mainly Microsoft SQL Server.

Education

2011–2016 **PhD in Computer Science Engineering**, *Ghent University*, Belgium.

2008–2010 **MSc in Computer Science Engineering**, *Ghent University*, Belgium, *cum laude*.

2005–2008 **BSc in Informatics**, *Ghent University*, Belgium.

Dissertations

PhD *Enabling Automatic Provenance-Based Trust Assessment of Web Content*

Master *The Social Gaming Party-shirt – An interactive application using movement, music and luminescent textile in a social gaming context**

**Awarded by the Belgian industrial Research and Development (BiR&D) MSc thesis programme 2009 <http://www.birdbelgium.com/call2009/awards-call>*

Publications

<https://scholar.google.be/citations?user=ardF6QoAAAAJ>

Primary skills

Backend	NodeJS	Frontend	Javascript, Vue, Angular
Web Design	HTML, CSS	Databases	MongoDB, SQL, Virtuoso
Web of Data	RDF, Linked Data, SPARQL		

Languages

Dutch	Excellent	<i>Native speaker</i>
English	Excellent	<i>Full professional & scientific proficiency</i>
French	Limited working proficiency	

Completed Courses

Oct. 2010 MCITP: Server Administrator
Nov. 2010 MCITP: Database Administrator 2008
Sept. 2013 ESWC Summer School

Awards

ISWC 2013 'Best Demo' – *Git2PROV: Exposing Version Control System Content as W3C PROV*.
ISWC 2012 'Best Demo' – *Everything is Connected: Using Linked Data for Multimedia Narration of Connections between Concepts*.

Interests

Travel #FrequentFlyer #Australialover #Camping #VW-van
Golf #fore!
Photography #Concertphotography #Streetphotography <https://photography.tomdenies.be>