

# Michiel van Oosterhout

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Professional **full-stack** software developer with 13+ years of experience including 3 years **leading teams** and **coaching developers**. Passionate about **agile software development** and great user experiences. Focused on delivering well-tested, maintainable code. Excellent written and verbal **communication and presentation** skills.

## Contact

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## Tools & technologies

**Areas of expertise** search • content/digital asset management • web accessibility

- **Platforms** .NET • .NET Core
- **Programming languages** C# • JavaScript • Python • SQL
- **Application frameworks** ASP.NET Core • ASP.NET MVC / Web API / WebForms
- **Testing** NUnit • xUnit • Moq • SpecFlow, Selenium
- **Dependency injection** Autofac • StructureMap • Unity
- **Object-relational mapping** NHibernate • LINQ to SQL • Dapper
- **Databases** SQL Server • Solr • RavenDB • Oracle
- **Messaging** RabbitMQ
- **Content Management** Umbraco
- **Version control systems** Git • Subversion
- **Tools** GitHub • GitLab • TeamCity • Octopus Deploy • JIRA
- **Cloud providers** AWS

## Experience & education

- **Lead software developer** at Coolblue – 2.5 years
- **Senior software developer** at Funda – 3 years
- **Senior web developer** at NoSuchCompany – 2.5 years
- **Web developer** at Elan – 5 years
- **B ICT, Media technology**

## Links

- **Recommendations** [linkedin.com/in/michielvoo](https://www.linkedin.com/in/michielvoo)
- **Developer profile** [stackoverflow.com/users/4830](https://stackoverflow.com/users/4830)
- **Open-source code** [github.com/michielvoo](https://github.com/michielvoo)
- **Journal** [michielvoo.net](https://michielvoo.net)

## Lead software developer – Coolblue

Rotterdam, February 2016 – Present

Coolblue (<https://www.coolblue.nl>) is the fastest growing e-commerce company in The Netherlands and Belgium.

As **team lead** I supported multiple teams to **continuously deliver** new applications and improvements in complex domains (finance, contract management, logistics), while working in an environment that was constantly changing to keep up with the growth of the company.

- Architected new calculation engine to improve essential data for daily margin reports
- Migrated a WPF application React to drastically improve performance and usability
- Migrated the team's suite of .NET applications to Amazon AWS
- Added support for a new payment method for Belgian customers
- Automated conversion tracking for affiliate partners
- Automated sending of (credit) invoice reminders to suppliers and customers

## Senior software developer – Funda

Amsterdam, April 2013 – January 2016

Funda (<http://www.funda.nl>) is the leading real estate website in The Netherlands with over 20M monthly visits.

At Funda my team and I took ownership of the **full stack**: transforming data from a single write model to multiple read models (**CQRS**), indexing read models in our **search engine** for high throughput, and building a fully **responsive website** using a custom-built modular JavaScript framework with reusable components.

- Successfully built and launched the redesign of [www.funda.nl](http://www.funda.nl)
- Introduced a feature to compare the performance of real estate listings
- Built a real estate recommendation engine
- Saved significant storage and compute resources by consolidating search indexes
- Improved relevance of realtor search results using dynamic facets and an improved sorting algorithm
- Enhanced performance of realtor search by porting a custom solution from SQL Server to Solr

To improve maintainability I organised 'domain discovery' sessions with my team, initiated work on a set of coding standards, participated in regular cross-team reviews of our coding practices, and contributed to our internal build tooling. After becoming team lead in 2015 I started coaching and mentoring the developers in my team.

## Senior web developer – NoSuchCompany

Rotterdam, September 2010 – March 2013

At NoSuchCompany (<http://nosuch.nl>) I estimated, developed, deployed and documented online campaigns, websites, and portals for small, medium and enterprise accounts like Shell, Microsoft, Coca-Cola, Nationale-Nederlanden, and Adyen.

- Introduced best practices like source control, unit testing and project templates
- Modernised the development stack through the introduction of ASP.NET MVC
- Provided technical guidance to fellow developers

## Web developer – Elan

Delft, July 2005 – August 2010

At [Elan](http://elan.nl) (<http://elan.nl>) I maintained a custom-built digital asset management system, provided technical support for database publishing projects, and developed, deployed and maintained corporate websites.

- Prototyped a web-based digital asset management system (graduation project)
- Modernised web development processes by introducing ASP.NET, a content management system, and automated deployment
- Delivered multiple successful websites for a variety of clients
- Built a publication pipeline for an off-line multimedia CD-ROM publication

## Software developer internship

Rijswijk, September 2003 – February 2004

At Den Haag media group I worked on several database publishing projects with advanced desktop publishing software, writing macros to process XML and SGML. I also maintained and improved web applications using Classic ASP, VBScript and Microsoft's SQL Server.

## B ICT, Media technology

Rotterdam, 2001 – 2007

Graduated in 2007 from the [Rotterdam University of Applied Sciences](https://www.rotterdamuas.com) (<https://www.rotterdamuas.com>) with a Bachelor of Information and Communication Technology (B ICT) majoring in media technology with a specific and very practically applied focus on database publishing for web and print media.

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