



ROY VOETMAN

Web Technologies · Teaching · Artificial Intelligence

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EXPERIENCE

Software Architect

RDW · Internship

Groningen, Netherlands

Feb 2021 | Jul 2021

- Assignment: **autonomous vehicle** development via the **Nvidia Drive** platform in combination with the **CARLA** driving simulator, as a result, expanding RDW's expertise in autonomous vehicles.
- Application stack: **UML, SOLID Principles, Design Patterns, C++, CMake**

Noardcode

Leeuwarden, Netherlands

- *Back End Engineer* Jun 2018 | Feb 2021
 - Adequately coded software changes and alterations based on specific design specifications.
 - Effectively optimized the runtime of legacy PHP scripts by inspecting Database/ORM calls.
 - Successfully migrated proprietary software to **open source** libraries & packages.
 - Application stack: **Laravel, PHP, PHPUnit, MariaDB, JS, jQuery, Redis**
- *Laravel Developer · Internship* Mar 2018 | Jun 2018
 - Assignment: engineered an application that extracts **ePub files** (ebooks) and automatically **classifies** the content into different categories (e.g. Headings, Paragraphs, Images).

Teaching Assistant

Hanze University of Applied Sciences Groningen

Groningen, Netherlands

Sep 2019 | Feb 2021

- Served as a TA for PGM1: Programmeren I, an undergraduate course introducing the concept of **functional programming** with Python.

Freelance Web Developer

Learn and Believe

Leeuwarden, Netherlands

Oct 2017 | Dec 2019

- Developed and expanded **SPAs** ensuring that clients' vision and requirements were met.
- Successfully designed REST APIs adhering to the Richardson Maturity Model.
- Application stack: **JS, Vue.js, JWT, REST APIs**

PHP Developer

OSG Piter Jelles · Internship

Leeuwarden, Netherlands

Sep 2016 | Jul 2017

- Assignment: engineered and presented a web-based election system for the Co-Control Board to audiences including senior executives and stakeholders.
- Application stack: **PHP, MSSQL, JS, JQuery**

EDUCATION

Hanze University of Applied Sciences Groningen

BSc, Information & Communication Technology · Software Engineering

Groningen, Netherlands

2018 | 2022

Current GPA: 4.0 of 4.0 (US scale), Average grade: 8.7 (EU scale)

Among other courses: Computer Architecture, Operating Systems, Algorithms and Data Structures, Web and Mobile Services, and Data Visualization.

Friesland College

MBO 4 Application Development

Leeuwarden, Netherlands

2015 | 2018

CERTIFICATIONS

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| Computer Science for Artificial Intelligence https://credentials.edx.org/credentials/b251ddf835104f99ab00a67918f55d04/ | HarvardX edX Sep 2020 |
| Mathematics for Machine Learning https://coursera.org/verify/specialization/UDHQPDDYEG9B | Imperial College London Coursera Jul 2020 |
| Certified Laravel Developer https://exam.laravelcert.com/is/roy-voetman/certified-since/2020-02-11 | Laravel Feb 2020 |
| Blockchain Foundation Developer https://www.credly.com/badges/54e67437-d903-419b-bf61-b9fe552ec912 | IBM June 2019 |
| Web Security Specialist https://www.certifiedsecure.com/profile/CS-29111671341 | Certified Secure Apr 2018 |

SKILLS

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| Programming Languages: | PHP, JavaScript, C, Java, Python, MySQL & MSSQL |
| Frameworks & libraries: | Laravel, PHPUnit, Vue.js & jQuery |
| Industry Knowledge: | Software Documentation, Agile Methodologies, Design Patterns & Principles |
| Interpersonal Skills: | Public Speaking, Problem Solving, Team Leadership, Time Management |
| Languages: | Dutch (<i>Native proficiency</i>), English (<i>Professional working proficiency</i>) |

OPEN-SOURCE PROJECTS

Gitlab API Client for PHP
<https://github.com/RoyVoetman/flysystem-gitlab-storage>
This package contains a PHP filesystem adapter for Gitlab, and it has **over 5.000** downloads on Github.

VOLUNTEER EXPERIENCE

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| Study Support Instructor <i>Study Association RealTime</i> | Nov 2019 Present |
| Co Organizer Meetup Group <i>PHP.frl</i> | Jul 2019 Jan 2020 |
| Course Assistant: ConnectIT <i>OSG Piter Jelles</i> | Sep 2017 Mar 2018 |

AWARDS

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| Finalist Open-Source 911 for Digital Space Challenge 2020 Second place in the Odyssey Momentum hackathon, with our team Hanze Rocks 2.0. | Odyssey Hackathon |
| Finalist Web Designer Skills Heroes 2018 Skills Heroes is a competition for MBO students. | WorldSkills Netherlands |