Roy Voetman

Web Technologies · Teaching · Artificial Intelligence
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Experience

Software Engineer   Groningen, Netherlands
RDW · Internship   Feb 2021 | Jul 2021

- Lead a team of interns consisting of 4 Software Engineers and 2 Network & Security Engineers.
- Fulfilled an architect role by redesigning a legacy codebase focused on **maintainability** and **reusability**.
- Researched and implemented mathematical concepts from **autonomous vehicle** literature.
- Grade: 10/10, Application stack: **UML, SOLID Principles, Design Patterns, C++, NVIDIA Drive, Carla**

NoardCode   Leeuwarden, Netherlands

- *Back-end Developer*   Jun 2018 | Feb 2021
  - Successfully migrated proprietary software to **open source** libraries & packages.
  - Effectively optimised the runtime of legacy PHP scripts by inspecting Database/ORM calls.
  - Adequately coded software changes and alterations based on specific design specifications.
  - 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   Groningen, Netherlands
Hanze University of Applied Sciences Groningen   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   Leeuwarden, Netherlands
Learn and Believe   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   Leeuwarden, Netherlands
OSG Piter Jelles · Internship   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   Groningen, Netherlands
BSc, Information & Communication Technology · Software Engineering   2018 | 2022
Current GPA: 4.0 of 4.0 (US scale), Average grade: 8.8 (EU scale)
Among other courses: Computer Architecture, Operating Systems, Algorithms and Data Structures, Web and Mobile Services, and Data Visualization.

Friesland College   Leeuwarden, Netherlands
MBO 4 Application Development   2015 | 2018

CERTIFICATIONS

Computer Science for Artificial Intelligence   HarvardX | edX
https://credentials.edx.org/credentials/b251ddf835104f99ab00a67918f55d04/   Sep 2020

Mathematics for Machine Learning   Imperial College London | Coursera
https://coursera.org/verify/specialization/UDHQPDDYEG9B   Jul 2020

Certified Laravel Developer   Laravel
https://exam.laravelcert.com/is/roy-voetman/certified-since/2020-02-11   Feb 2020

Web Security Specialist   Certified Secure
https://www.certifiedsecure.com/profile/CS-29111671341   Apr 2018

SKILLS

Programming Languages:	PHP, JavaScript, C, C++, Java, Python, MySQL & MSSQL
Frameworks & libraries:	Laravel, PHPUnit, Vue.js & jQuery, NVIDIA DriveWorks
Industry Knowledge:	Software Documentation, Agile Methodologies, Design Patterns & Princples
Interpersonal Skills:	Public Speaking, Team Leadership, Time Management
Languages:	Dutch *(Native proficiency)*, English *(Professional working proficiency)*

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

Study Support Instructor
Study Association RealTime   Nov 2019 | Present

Co Organizer Meetup Group
PHP.frl   Jul 2019 | Jan 2020

Course Assistant: ConnectIT
OSG Piter Jelles   Sep 2017 | Mar 2018

AWARDS

Finalist Open-Source 911 for Digital Space Challenge 2020   Odyssey Hackathon
Second place in the Odyssey Momentum hackathon, with our team Hanze Rocks 2.0.

Finalist Web Designer Skills Heroes 2018   WorldSkills Netherlands
Skills Heroes is a competition for MBO students.