

# Dion D. Potkamp

Hardenberg, The Netherlands

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## PROFESSIONAL EXPERIENCE

Print.one, Zwolle | Direct mail automation startup

Junior Software Engineer | Sep 2021 – Jul 2022

- Developed as one of the initial developers, a scalable microservice architecture capable of handling thousands of simultaneous API requests to automate printing and sending personalized postcards using Google Cloud Platform, Docker, Nest.js, C#, and PHP.
- Engineered dashboard features such as templating postcards using React, Next.js, and Tailwind.
- Implemented infrastructure as code in the CI/CD pipeline to automate deployment using Terraform and GitHub.

Nederland Eet, Zwolle | Online food ordering company as an alternative to Grubhub

Junior Software Engineer | Jun 2021 – Sep 2021

- Played a vital role in a team that developed the initial version of an Android app for a receipt printer utilized by restaurants on the Nederland Eet platform.
- Implemented the app using React Native, leveraging web sockets to fetch data from the pre-existing backend of Nederland Eet, with additional work done in native Android.
- Demonstrated rapid adaptation to React Native, showcasing adept learning capabilities and flexibility in navigating a dynamic and fast-paced development environment.

Cablon Medical, Leusden | Supplies hardware and software for radiotherapy

Intern Software Engineer | Nov 2023 – Jan 2024

- Contributed to a project aimed at enhancing the precision of radiotherapy by ensuring accurate patient positioning.
- Developed a Python-based system utilizing YOLO (You Only Look Once) for advanced object recognition, ensuring the accurate identification and proper placement of accessories crucial for precise radiotherapy.
- Written, implemented and improved algorithms to enhance camera feeds, optimizing the detection of the radiation bed.

Politie Oost-Nederland | Dutch National Police

Intern Software Engineer | May 2022 – Jul 2022

- Worked collaboratively with the Dutch National Police on the creation of a cyber criminality dashboard.
- Employed real anonymized data to offer comprehensive insights into regional cybercrime trends.
- Enhanced skills in data analysis, data visualization, project management, and demonstrated a commitment to ethical considerations associated with handling sensitive data.

Deltion College, Zwolle | Educational institution with over 20,000 students

Intern Software Developer | Feb 2020 – Jul 2020

- Collaborated as part of a team to overhaul the student and teacher portal at Deltion College, focusing on replacing the main info page and implementing CRUD functionalities for users, cohorts, classes, rooms, tests, and exams.
- Engineered a scheduler and implemented complex logic to enable students to plan their classes, enhancing their autonomy and scheduling flexibility.
- Utilized Laravel with Blade and Bootstrap for frontend development, MySQL for database management, and UML for modeling and design.

## EDUCATION

Windesheim University, Zwolle

Bachelor of Science in Information and Communication Technology. Sep 2020 – Jul 2024 (expected)

- Major: Software Engineering. Minor: Data Science.
- Relevant courses: Data Structures & Algorithms, Design Patterns, Discrete Mathematics, Data Analytics, and Statistics.
- One academic year as exchange student at Widener. App development, OS, Game design, Spanish. Straight A's.

Deltion College, Zwolle

Intermediate Vocational Degree in Software Development Sep 2018 – Jul 2020

- Obtained an internship after I managed to unenroll a classmate's classes while unauthorized.
- Completed the degree ahead of schedule, demonstrating efficiency and adaptability in a two-year timeframe instead of the standard three years.

## SKILLS

Human Languages: Dutch (native), English (fluent), German (basic), Spanish (beginner).

Programming Languages: Python, JavaScript, TypeScript, C#, Java, PHP, SQL, and various database engines.

Frameworks: React, React Native, Next.js, Nest.js, .NET, Symfony, Sulu, Laravel, Tailwind, Bootstrap.

Tools: Git, Docker, Redis, Linux, Terraform, Google Cloud Platform, AWS, JIRA, UML, Scrum (PSM1).