

# DRIES VAN DEN BRANDE

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## OBJECTIVE

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Junior Software Developer with a strong interest in data engineering, machine learning, automation, and backend development. Currently building practical experience through software projects, homelabbing, and workplace learning at BASF. Looking for a junior developer role where I can build reliable tools, learn from experienced engineers, and grow as a software engineer.

## EDUCATION

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**Graduate Degree in Programming**, AP Hogeschool Antwerpen 2024 – Present

Focus on software development, APIs, databases, web development, testing, security, and workplace learning.

**Prior Software Development Training**, Campus 19 Completed prior coursework

Worked with low-level programming concepts, problem solving, C/C++, Linux, and project-based learning.

## SKILLS

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|------------------------|-------------------------------------------------------------------------|
| <b>Programming</b>     | Python, JavaScript, TypeScript, C#, C, C++, SQL                         |
| <b>Web Development</b> | Node.js, Express, React, EJS, HTML, CSS, REST APIs                      |
| <b>Data &amp; ML</b>   | Pandas, Scikit-learn, ML pipelines, data preprocessing, Power BI basics |
| <b>Tools</b>           | Git, GitHub, Docker, Linux, VS Code, Databricks, MongoDB, MySQL         |
| <b>Soft Skills</b>     | Problem solving, self-learning, teamwork, communication, ownership      |
| <b>Languages</b>       | Dutch, English                                                          |

## EXPERIENCE

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**Software / Digitalization Intern** 2026

BASF *Antwerp, Belgium*

- Developed a self-service tool for end users within BASF companies at the Antwerp Verbund site, enabling them to configure their own AI project solutions for data ingestion, calculations, model selection, and dashboarding.
- Helped design a more maintainable object-oriented architecture for Python notebook workflows, including reusable components for dataframe transformations, model lifecycle logic, and widget configuration.
- Worked with concepts such as Databricks workflows, MLflow model logging/registering/loading, preprocessing toolsets, and reusable Scikit-learn pipeline steps.

**Student Software Developer / Project Builder** 2024 – Present

Personal Projects *Antwerp, Belgium*

- Built full-stack web applications using Express, EJS, MongoDB, React, and REST API concepts.
- Designed project ideas around personal tracking, experiment tracking, portfolio building and homelab hosting.
- Practiced software design concepts such as routing, authentication, database models, reusable services, testing, and clean project structure.

**Student Worker** 2023 – Present

Hospitality / Restaurant Work *Belgium / Abroad*

- Combined physically demanding student work with software studies and personal development projects.
- Built discipline, consistency, stress resistance, and teamwork through long shifts in high-pressure environments.

## PROJECTS

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**Journeys Blog Platform.** Built a multi-user blog platform where users can create posts and group them into learning or project journeys. Implemented routing, authentication, MongoDB models, EJS views, reusable layouts, and role-based navigation.

**Homelab Server Setup.** Set up and explored a personal homelab environment for hosting websites, Docker containers, networking experiments, self-hosted services, and game servers. Used the project to improve Linux, networking, deployment, and infrastructure knowledge.

## EXTRA-CURRICULAR ACTIVITIES

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- Actively learning about data analytics, machine learning engineering, system design, cloud platforms, Linux, Docker, and self-hosting through books, online learning, and personal projects.
- Building a personal developer portfolio focused on practical software projects, telemetry-inspired design, and real project write-ups.
- Exploring homelabbing as a way to learn networking, server management, Docker, hosting, and infrastructure hands-on.

## LEADERSHIP

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- Collaborated with team members during school and internship projects to structure technical work, clarify requirements, and turn broad ideas into practical software solutions.
- Took initiative in personal projects by defining product ideas, writing requirements, designing features, and building prototypes independently.