

# PESSI VIRTTA

## SOFTWARE ENGINEER

Berlin & Brandenburg, Germany

I am a graduate of Applied Biotech Engineering who made the switch to Software Development five years ago. I bring with me a strong generalist skillset: soft skills, coding and infrastructure knowledge, a natural sciences background, a process engineering sensibility, a systems thinking perspective and the ability and will to keep learning new skills along the way.

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### SKILLS

- Web Development with Ruby, Python, Javascript, Svelte, HTML, CSS, Sass, BEM, TailwindCSS, PostgreSQL, Hotwire, React, Webstudio, Bootstrap, RSpec, Capybara, Selenium
  - Machine Learning with TensorFlow Keras, Pandas, ML Flow, FastAPI, Streamlit, Ollama
  - CI/CD, OOP, TDD, Agile
  - GitHub, Heroku, GCP, Docker, Linux, Fly.io, Digital Ocean, Cloudflare
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### EDUCATION

#### LE WAGON

Data Science & AI | 2024

Full-Stack Web Development | 2019

#### GADJAH MADA UNIVERSITY

Darmasiswa Scholarship | 2017

#### BERLIN TECHNICAL UNIVERSITY

MSc Brewing & Beverage Technology | 2016

#### HERIOT-WATT UNIVERSITY

BSc (Hons) Brewing & Distilling | 2011

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### EXPERIENCE

#### MEIN GRUNDEINKOMMEN E.V.

Backend Developer, Partner | 5/2019 - 6/2023 (4 years)

- Independently planned and implemented new features
- Migrated our newsletter of 6-10M emails/month to another service provider, integrating to their API
- Contributed to three Rails apps, a Rails engine and a Ruby gem with features, optimizations, tests, documentation & bug fixes
- Worked on a big Rails app with >4M active users
- Worked with a React frontend and Rails API on an internal app
- Worked on a custom payment processing system, processing SEPA transactions worth ~1M€/month
- Wrote a lot of PSQL queries and worked on optimizing our DB workflows - work which I particularly enjoyed
- Gained experience in Agile, Cascade and Holacracy

## VERSUCHS- UND LEHRANSTALT FÜR BRAUEREI IN BERLIN (VLB) E.V.

Laboratory Technician | 7/2018 - 1/2019

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### PROJECTS

#### METAZINE

An experimental RSS/Atom feed client, Ruby on Rails

- Link to GitHub repo
- A personal project to aggregate news and articles from multiple sources with a unified layout and a search function
- When I have time, I work on adding functionality: Federation with ActivityPub, commenting on articles, Translation of articles to english
- See also my reimplementaion project of Metazine in Django

#### CANINE CLASSIFIER

Identify dog breeds using Machine Learning, Streamlit & FastAPI

- Link to GitHub repo
  - The final project for Le Wagon Data Science & AI Bootcamp
  - Built originally with three other students
  - Uses Streamlit deployed on AWS EC2 for frontend
  - Uses Docker containerized FastAPI deployed on GCP for backend
  - The Machine Learning model used for inference is EfficientNet V2s, fine-tuned with a Kaggle dataset of dog images
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### WORKING LANGUAGES

English, German, Finnish, Portuguese, maybe Swedish and Indonesian

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### ONLINE

#### LINKEDIN

<https://www.linkedin.com/in/pessiv>

#### GITHUB

<https://github.com/pessi-v>

#### BLOG

<https://pessi.info>

#### EMAIL

[pessimo@posteo.net](mailto:pessimo@posteo.net)