

JAN- FELIX DE MAN

[in LinkedIn](#) | [+32 483 47 0227](tel:+32483470227) | www.felixdeman.me | [M deman.janfelix@gmail.com](mailto:deman.janfelix@gmail.com) | [GitHub](#)

Hands-on Belgian software engineer with 3 years of experience delivering impactful solutions in generative AI, software engineering, and DevOps. As CTO, led the development of a GenAI platform with 4k+ active users and \$1k MRR. Expertise in training and deploying custom AI models and building innovative, user-centered applications.

Skills

- Python | Java | JavaScript | TypeScript | Arduino | C# | MySQL | Node | Express | React | Vite | Redux | NextJS | Docker | Kubernetes | Git
- AWS | GCP | Azure | DataBricks | Cloud Computing | Vercel
- Microservices | Frontend | Backend | Full-Stack | English, Dutch, French – All professional proficiency or above

Experience

Founding CTO

[Neolocus](#)

Riyadh, Saudi Arabia **01/2023 - 12/2024**

- Led and trained a team of 5 AI Scientists to train and deploy custom Diffusion, Control and Object Detection models.
- Led a team of 8 Front-End developers for the development of a GenAI visualization platform for Architects and Interior designers, leading to 4k+ active monthly users and \$1k MRR using the latest technologies of **React, NextJS and Firebase**.
- Raised \$150k+ in prizes, funding and subsidies.
- Built and scaled an async Python backend with high GPU usage to serve 4k+ active users in a timely manner using an orchestration of **FastAPI, Celery, Redis and Kubernetes**.
- Developed and released a React Native mobile app for AI Virtual Staging on the Google Play Store.
- Developed the Front-End and Back-End of a Shopify App implementing Image Generation and customized product search using **Remix, React and Python**.

Data Science Intern

[Metyis](#)

Amsterdam, Netherlands **09/2022 - 06/2023**

- Led the reimplementation of Time Series Predictions for Markdown Optimization for **Pepe Jeans London** and **Hackett**, increasing prediction accuracy by **more than 50%**, leading to a total revenue of more than \$42 million, using technologies such as Prophet, Sarimax, SQL and PySpark.
- Implemented Metyis' first Generative AI solution: asset generation for marketers at Hugo Boss. By training custom Diffusion models, a team of **10+ marketers** was able to generate **images with custom Hugo Boss assets** using my AI solution. Thesis: Fine-tuning Methods for Diffusion Models, graded 8.5/10.

Teaching Assistant

[Vrije Universiteit](#)

Amsterdam, Netherlands **04/2017 - 04/2018**

- Led tutoring sessions and final assignment grading for the Bachelor course Computational Intelligence, assisting more than 100 students, covering subjects such as Evolutionary Computing and Deep Learning

Education

Master of Science

[Vrije Universiteit](#)

Amsterdam, Netherlands

09/2021 - 06/2023

- Major in Artificial Intelligence, Thesis: Fine-tuning Methods for Diffusion Models, GPA: 8/10.

Bachelor of Science

[Maastricht University](#)

Maastricht, Netherlands

09/2018 - 06/2021

- Major in Data Science and Artificial Intelligence, Thesis: On the Evaluation of Music Generation Algorithms Using Music Theory.

Projects

- **HAIR-COLOR-SWITCHER**: Creator of a mobile first [web-app](#) that uses AI to re-color your hair (ComfyUI, NextJS, React).
- **Better Weather**: MacOS native desktop app to compare the weather in 2 locations (C#, .NET MAUI).

Mentorship

- **GAIA Accelerator Program**: Presented on the topic of fine-tuning large AI models and mentored other startups during the first cohort of the world's first GenAI Accelerator. Riyadh, Saudi Arabia (**2023**).

Others

- **First Prize**: Won the 1st prize in the "Established Startups" track, worth 350k SAR (\pm \$100k), for the development of AI virtual staging tool NeoROSHN at ROSHN Hackathon at Cityscape Global in Riyadh (**09/2023**).
- **Certificate of Teaching English as a Foreign Language** and working as an English Teacher at the age of 18 in Guangzhou, China (**2017**).