Montijn van den Beukel
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I started programming in 2019, building Python tools to automate online purchases. Since then, I've expanded into full-stack web and mobile app development, working with technologies like **Next.js**, **React**, **React-Native, Node.js**, and **PostgreSQL**, and frameworks like **PyTorch** for machine learning.

In 2023, I designed and developed Kooza, a recruitment platform that uses NLP to analyze candidate interviews and generate recruiter reports. I'm now working on a medical animation tool for behandelingbegrepen.nl, using diffusion models to turn still visuals into animated explanations. I like merging clean design with functional code.

Education

BSc Computer Science
University of Amsterdam | September 2021 – Present

- Graduation: 2025
- Relevant Coursework: Algorithms, ML, Distributed Systems, Computer Vision

VWO (NG/NT)
Cygnus Gymnasium, Amsterdam | September 2014 – June 2020

Technical Skills

Languages: Python, JavaScript (Node.js), SQL, HTML/CSS, C
Frameworks & Libraries: React, React-Native, Next.js, PyTorch, PostgreSQL, ExpressJS
Tools: Git, Docker, AWS, Vast.ai
AI/ML: Diffusion Models, NLP, Image-to-Video Interpolation
Languages: Dutch (Native), English (Fluent)

Experience

Freelance Software Engineer | Remote | November 2024 – Present

- Developing AI-driven solutions for clients, focusing on automation and scalable systems.

Software Engineer | BurstAIO (Remote) | May 2021 – September 2021

- Engineered Python-based tools to bypass anti-bot protections (Cloudflare, reCAPTCHA, Akamai) for high-speed e-commerce transactions.

Projects

AI-Powered Medical Animation Tool | behandelingbegrepen.nl | December 2024 – Present

- Developing software to generate animated medical explanations by interpolating frames using a pre-trained diffusion model.

Kooza (Recruitment Platform) | Startup (kooza.ai) | March 2023 – January 2024

- Built a full-stack application (Next.js, Node.js, PostgreSQL) for automated candidate screening.
- Integrated NLP models to analyze interview responses and generate recruiter reports.