Attila Birke

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Residence: Den Haag, Netherlands

Date of birth: 18/07/2001
Nationality: Hungarian

EDUCATION

- **Delft University of Technology** — Delft, Netherlands
  Bachelor of Computer Science and Engineering — *Sep. 2021 - Feb. 2025*
  - **Intelligence Studies Minor**: Leiden University
  - **Bachelor Thesis**: Testing Byzantine Fault Tolerant Protocols

EXPERIENCE

- **GoMedFlow** — Delft, Netherlands
  Internship — *April 2024 - July 2024*
  - **Developed GoMedFlow**: Developed a web application for the RDGG hospital based on the concept of GoMedFlow, which will help hospital workers build care processes. The project was built in Next.js and used SQLite as a database, Prisma as an ORM, and tools such as Tailwind. The project used Jest for unit and snapshot testing and Playwright for end-to-end testing.

- **Network4Cars** — Nieuw-Vennep, Netherlands
  Junior Product Manager — *July 2024 - January 2025*
  - **Market Analysis**: Analysing the markets through different countries to find buy and sell opportunities. This includes looking at many different car specifications and calculating different price points based on margins, discounts etc.
  - **Power BI**: Creating and managing Power BI data flows and reports that are used for aggregating car sales and production data.
  - **Software Development**: Implementing automated solutions for managing car-related data automatically through web-scraping. Developing smaller scripts that speed up manual jobs. Additionally, working on big data solutions that find opportunities in the market.

- **Network4Cars**
  Business Analyst — *February 2025 - Present*
  - **Salesforce admin**: Solve business problems by customizing the Salesforce Platform. Build, configure, and automate technology solutions to deliver business value.
  - **Software Development**: Extend on and maintain software solutions developed in the previous role.

PROJECTS

- **Vehicle Management Web Application**: Deployed a Next.js application on Vercel which Network4Cars currently use. The application lets users manage car data for different countries and automatically update car prices (daily) based on third-party data, managed with Cron. Users need to be authenticated and authorised, achieved through NextAuth, and data is stored in PostgreSQL.
- **HR Management Backend**: Collaboratively developed Spring Boot microservices with a team of five for an HR management service (hiring, promoting, firing employees, and managing contracts), using JWT for security and applied numerous design patterns.
- **Ray Tracer**: Ray Tracing implementation in C++, with glossy reflections, soft shadows, blooming filter and transparency.
- **Quiz Game**: Developed an energy consumption awareness application with a game-like interface. Programmed a collaborative quiz game in Java using Spring Boot, Maven, JavaFX, and H2 Database. Followed and scheduled weekly sprints, and performed code reviews on Git using several software engineering philosophies, e.g. Agile, Scrum.

SKILLS

- **Programming Languages**: Java, Python, Javascript/Typescript, C++, SQL
- **Technologies**: Next.js (React), Node.js, Spring Boot, Rest, Tailwind
- **Hobbies/Interests**: Ice Hockey, Bouldering, Boxing, Chess, Reading, Investment