Noah Boufercha

FULLSTACK DEVELOPER AND DESIGNER

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WEB racore.net

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Contact

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Skills

Backend CONFIDENT

Java, Spring Boot, Python, C++, Node, Express

Frontend FAMILIAR

TypeScript, React, Angular, Astro, Tailwind

Infrastructure FAMILIAR

Linux, Docker, Traefik, nginx, PostgreSQL

Tooling CONFIDENT

Git, clean code, documentation, tests

Languages

German
Native

English
Good

French
Basics

Interests

Strength training

Running

Cycling

Side projects

Education

10/2025 to present

B.Sc. Computer Science, work-study programme

Deutsche Telekom AG and DHBW

Practical phases in software development and systems integration at Deutsche Telekom, alternating with theory phases at the university. Production projects inside the company.

09/2022 to 07/2025

Abitur (German university entrance qualification)

Gymnasium it.schule Stuttgart, Stuttgart-Vaihingen, Germany

Computer science profile. Java, C++, Python, assembly, databases and web.

09/2016 to 07/2022

Marie-Curie-Schule (secondary school)

Leonberg, Germany

Experience and own systems

since 2026

Racore, web presences

Leonberg, Germany, self-employed

Projects

9 pieces of work from school, university and my own time. The full write-ups are on racore.net.

BROWSER GAME, REAL TIME

Plunderflut, co-op roguelite

A browser game for one or two players, built without a single dependency: canvas in the browser, a server of plain Node. Co-op over WebSocket with a four letter code, a boss every ten waves, one shared leaderboard.

JavaScript, Canvas, WebSocket, Node, Docker, Traefik

Private repository

DEEP LEARNING, NLP

Transformer language model from scratch

A GPT-style language model built entirely from scratch, following Stanford CS336: BPE tokenizer, self-attention with RoPE, AdamW, training loop.

Python, PyTorch

Private repository

BACKEND

Login and auth system

Login and registration on an MVC architecture, with form validation, secure authentication and protected areas via Spring Security.

Spring Boot, Spring Security, JPA, Java

github.com/Noah9935/Login_Page

JAVA, OOP

Music streaming

Managing songs, streams and users. A layered architecture of model, service and data, SQLite, JUnit tests, modelled in UML.

Java, SQLite, JUnit

Private repository

BROWSER GAME

RaccoonRush

An arcade game modelled on the Chrome dinosaur, with a raccoon.

JavaScript, HTML, CSS

github.com/Noah9935/RaccoonRush

RESEARCH, FULL-STACK

AI image recognition study

A containerised web app through which 99 participants rated AI-generated images. Evaluated in Python: detection rate, confidence, demographics.

Node, Express, PostgreSQL, Docker, Python

Private repository

MACHINE LEARNING

Rent Price Predictor

Scrapes property portals automatically, cleans the data and predicts a realistic rent with a trained model.

Python, Pandas, Web Scraping

github.com/Noah9935/Rent_Price_Predictor

EMBEDDED

Embedded clock

A digital clock for the NUCLEO-L152RE board with LCD, world clock, alarm and stopwatch. No operating system, limited memory.

C++, mbed, STM32

github.com/Noah9935/Uhr

DESKTOP

Note app

Note management with user profiles, a recycle bin and favourites. A school project.

Java, Swing, MySQL

github.com/Noah9935/NotizApp