Nathan Brodin

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Skills

TypeScript Next React Redux Tailwind CSS Python AWS Flutter

Education

ESIEA - Graduate Digital Engineering School — Laval, France
Master's degree in Software Engineering — 2020 - 2025

- Relevant Courses: Full-Stack Development, Application Design, Computer Networks, System Programming.
- Won the second prize at the Scientific and Technical Project fair for my 'Esieabot mobile application'.

Centria University of Applied Sciences — Kokkola, Finland
Exchange semester — August - December 2023

- Relevant Courses: Object-Oriented Modeling, Operating Systems, SQL and data structures. GPA: 4.3/5.

Experience

Front-end Engineer Intern — DNB
Oslo, Norway — June - August 2023

- Developed a web application using React, Redux and Styled Components enabling DNB's AI trainers to manage their chatbots efficiently.
- Collaborated closely with the UX designer to implement Figma sketches and my mentor to design the API.
- Automated deployment on AWS (CloudFront, S3, Route 53, WAF...) using CDK and GitLab Pipelines.

Horticultural Worker (Student Job) — SARL Marteau
Loiron, France — Summers 2018 - 2022

- Gained valuable skills in attention to detail, teamwork, and work ethic and time management.

Volunteering

Robotics Educator — Thevalles Primary School — October 2022 - June 2023

- Coordinated and led robotics and programming activities for students aged 10-12, enhancing students' teamwork, problem-solving skills and fostering their interest in technology.

Educational Assistant — Fernand Puech College — September 2021 - June 2022

- Guided students in preparing for a regional robotics contest by making specialized courses, leading them to victory among 110 teams.

Programming Workshop — CLEP — October 2020 - June 2021

- Conducted Python programming courses for young people at the CLEP leisure center.

Projects

B-moveOn — Flutter, Dart, Google maps API, CodeMagic — September 2023 - Present

- Developed, designed and tested a delivery logistics mobile app, optimizing routes for delivery personnel.
- Implemented continuous delivery using CodeMagic to publish the app on PlayStore and AppStore.
- Engaged in a comprehensive feedback loop with a manufacturing company to refine functionalities.

Portfolio — Next.js, Tailwind CSS, Framer Motion — June 2023 - August 2023

- Crafted my portfolio to showcase software development skills and major projects with user-friendly design.

Grammar Checker — Next.js, Tailwind CSS, GPT-3 API — September 2022 - October 2022

- Developed a grammar checking app to enhance users' writing accuracy and fluency.
- Integrated GPT-3 API for AI-enhanced grammar, offering advanced error detection and suggestions.