# NELSON FAI BAIYONG

Full-Stack Developer / UI/UX Designer

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## Websites, Portfolios, Profiles

- **Portfolio :** https://nelsonfai.site/
- **LinkedIn** https://www.linkedin.com/in/baiyong-nelson-841438169/

## PROFILE

Passionate Full-Stack Developer and UI/UX Designer with expertise in building and deploying innovative software solutions. Proficient in both frontend and backend development, with experience designing and implementing SaaS applications. Adept at translating user needs into scalable, functional, and visually appealing solutions. Lifelong learner with a keen interest in technology, music, and creative writing.

## EDUCATION

### Bachelor of Science in Computer Engineering (BSc)
**Duisburg-Essen University**

## LANGUAGES

English            German            French

## PORTFOLIO PROJECT

### MyTubeNotes (YouTube Learning Companion)
**Tech Stack:** Next.js, Firebase, Google Cloud Functions, FastAPI, Stripe

- Conceptualized and independently developed the app to enhance YouTube-based learning by offering tools tailored for students, developers, and professionals.
- Built features like timestamped notes, interactive transcripts, and text/code extraction to help users save and organize key points.
- Designed a responsive interface that works smoothly on desktop and mobile, with no downloads needed.
- Developed the backend using FastAPI and Google Cloud Functions to run chromium browser
- Link :https://www.mytubenotes.com

### Habts Us (SaaS Mobile App for Couples' Collaboration)
**Tech Stack:** React Native Expo, Django REST API, Ably (SSE), Revenue Cat

- Conceptualized and independently developed habts us to help couples stay organized and connected with features like shared to-do lists, habit trackers, events, and real-time notes.
- Created the entire app, from design to backend, including APIs and performance optimization.
- First-month stats:1.02K impressions, 67 downloads, 8.75% conversion rate, and 12.96 sessions per active device.
- Available on iOS and Android: https://habts.us

## Intern - TJ Labs Berlin (April - August 2024)

- Collaborated on multiple projects, including building client applications such as a social network app (currently in production) and the FC Bayern Selfie Fan app.
- Worked on Meal Jam and Smina, focusing on implementing UI designs from Figma and improving the functionality of existing components.
- Utilized technologies such as React Native, Next.js, TypeScript, and Material UI (MUI) to deliver efficient and scalable applications.

## Web Developer - Ovau agile design studios Düsseldorf

- Developed and maintained websites, making valuable contributions to client projects at Ovau Agile Design Studios.
- Collaborated with cross-functional teams, ensuring seamless integration of design and functionality.
- Resolved technical issues promptly, optimizing website performance.
- Stayed updated with industry trends, incorporating new techniques and technologies.

## Volunteer Instructor - Redi school Düsseldorf (current)

- Teach HTML, CSS, and React, preparing structured lesson plans to help students build practical web development skills.
- Guide students through hands-on coding exercises, focusing on responsive design, cross-browser compatibility, and clean code practices.
- Provide ongoing feedback and support, conducting code reviews to debug and improve student projects.

**SKILLS**

**Frontend:** React, Next.js, React Native, Tailwind CSS, TypeScript
**Backend:** Django, FastAPI, Firebase, SSE (Ably)
**Tools:** Figma, Google Cloud, REST APIs, Git, Material UI

**HOBBIE**

**Songwriting:** Wrote and released an original song, showcasing creativity and project execution.
**Writing:**
Author of Apjot, a weekly reflective newsletter on personal growth and spirituality. (https://www.apjot.blog)
Creator of a monthly faith-based newsletter sharing testimonies and lessons to inspire and encourage faith.
**Football:** Play competitively in the Kreis Liga B with Post Siegfried Hamborn
**Reading & Learning:** Passionate about philosophy, technology, and self-improvement.