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YOSUA NICOLAUS

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PROFESSIONAL SUMMARY

Self-taught Software Development Enthusiast. Taught myself how to code JavaScript, Python, React JS, and TypeScript from creating projects. Student of The Odin Project web development learning course. Always on the lookout to optimize my workflow. Strives to be the most efficient developer through best practices and professional workflow.

PROJECTS

Full-stack Online Chess App   **Next-Chess**   **September 2022 - present**

React, NextJS, TypeScript, TailwindCSS, Firebase   *logichess.vercel.app*

- Create a full-stack NextJS application using TypeScript, TailwindCSS, and Firebase for the realtime database and authentication.
- A rewritten project from FrontChess and BackChess with upgraded overall design and features.
- Uses Firebase Realtime Database to sync the online data to enable online play between users.
- Utilizes LogiChess programming library for all important Chess Data and move generation for a game.

MERN stack Online Chess App   **FrontChess and BackChess**   **August 2022**

React, Bootstrap, TypeScript, Firebase, Express, MongoDB, SocketIO   *frontchess.vercel.app*

- Write a FrontEnd and BackEnd application for online web chess using MERN stack.
- Uses SocketIO to handle socket connection to enable stateful online data flow.
- Create API and Socket communication between the frontend and the backend.

Chess Programming Library   **LogiChess**   **July 2022 - present**

TypeScript   *npmjs.com/package/logichess*

- Built a chess programming library and published it as a npm package.
- Accepts chess FEN data and generates readable, useful, and playable chess data.
- Made from scratch without any dependencies using typescript.

EDUCATION

Australian College of Business Intelligence   **October 2022 - April 2024**

Diploma of Information Technology *(specialized in web development)*

Enroll as a student in ACBI Information Technology program specialized in web-development.

Jazz Centrum Surabaya   **July 2017 - October 2021**

Jazz/Jazz Studies

Deep dive into jazz music style, music theory, jazz improvisation, and practical jazz piano performance. Play jazz piano regularly, up to 6 hours every week throughout five years of learning experience.

St. Hendrikus High School Surabaya   **July 2017 - April 2020**

High School Diploma, Science

Enrolled as a student in St. Hendrikus High School Surabaya, learning General Science. Awarded with Best Musician 2017-2018 and Best Musician 2018-2019 title.

Languages and Technologies

- HTML, CSS, JavaScript, TypeScript, Python, GDScript
- React, NextJS, Bootstrap, Tailwind CSS, Firebase, MongoDB, Express, Godot