JOHANES RAPHAEL NANDAPUTRA

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Bandung

Final year student with a strong foundation in program logic and passion for Backend Development. Experienced in collaborating with other developers to make an integrated and impactful application based on real life problems.

Education

Telkom University ✓ **- Bandung**   Sep 2020 - Aug 2024 (Expected)
Bachelor Degree in Informatics Engineering, 3.92/4.00

Experiences

Wisnu - Bandung   Sep 2023 - Present
Back End Developer
https://www.linkedin.com/company/wisnu/

- Developed and deployed Wisnu's backend server an API with Cloud Run based on dockerized image for 3 different environments
- Managed and integrated 3rd party services into the backend server
- Collaborated with Mobile Developer and Machine Learning Engineer to ensured integration and functionality

Sagara Technology - Bandung   Jul 2023 - Aug 2023
Back End Developer Trainee
https://sagaratechnology.com/en

- Analyzed the provided requirements and briefs to understand the scope and objectives of the Bahana project
- Built an internal report program that automatically runs in the background using Celery task
- Collaborated with Front-End and DevOps team to ensured integration and functionality

Digistar Class - Bandung   Jul 2023 - Sep 2023
Developer Mentee
https://www.digistartelkom.id/

- Learned and Implemented the concept of Blockchain technology with MetaMask
- Brainstormed and proposed a 40% increasement in sanitation access to solve sanitation problem in Indonesia

HUMIC Engineering Research Center - Bandung   Jul 2023 - Aug 2023
Google Cloud Developer
https://humic.telkomuniversity.ac.id/

- Deployed Kupu's web application in Cloud Run that use to process bone scan images segmentation
- Developed a desktop application based on Kupu's machine learning model that can also pre-process a large number of raw images at once (batch processing) consist of 6046 images (ANT & POST) using python threading
- Published 2 patents right (HKI) called 'Whole-Body Bone Scan Images Segmentation Mask Dataset' and 'Aplikasi Automatic ANTPOST Bone Scan Image Segmentation'

Bangkit Academy - Bandung   Feb 2023 - Jul 2023
Cloud Computing Cohort
https://grow.google/intl/id_id/bangkit/

- Built a Capstone Project with Mobile Development and Machine Learning cohort called Yogalyze that detect the User's movement real time and score them based on their movements of the selected yoga position
- Developed and deployed Yogalyze's backend server as an API with Cloud Run that automatically deployed from triggered push of the GitHub repository
- Integrated Firebase Authentication in Mobile and Backend for the User authentication and authorization

Organisational

Google Developer Student Clubs - Bandung   Dec 2023 - Present
Member
https://gdsc.community.dev/telkom-university-bandung/

Telkom on Lebak - Lebak   Sep 2020 - Present
Member

- Collaborated in organizing and participating in Lebak Expo University (Lexus) and Mudik Roadshow event, actively showcasing Telkom University up to 1500 high school students in Lebak

Skills, Achievements & Others

- **SociaLife** ⊘ (2023): Real-time chat application designed for Web and Mobile platforms, it will alert users when they've spent a period of time within the app and notify Users when their friends have been inactive in the chat
- **YogaLyze** ⊘ (2023): Mobile application that detect the User's movement real time and score them based on their movements of the selected yoga position
- **Drife** ⊘ (2023): Mobile application that will detect drowsiness based on both of user's eyes, when the eyes closed to a certain radius, the app will start an alarm and a notification for alerting the user to wake up
- **MeetDoctor** ⊘ (2022): Mobile design for making an appointment with a doctor based on the selected clinic. It can also pay online or transfer to the corresponding doctor, and view the User's appointment histories with the status
- **Word Search Puzzle** ⊘ (2022): Algorithm strategy that use backtracking and brute force to locate words within a puzzle. Compared the two algorithm and analysis it to identify which strategy proves the best
- **Musician** ⊘ (2021): Multi linked list program of musician data structure. It can add singer and song data, and make a connection based on it
- **Hard Skills** ⊘: Python, Java, JavaScript, NodeJS, ExpressJS, MySQL, PostgreSQL, MongoDB, ORM, OOP, Linux, Git, GCP, API
- **Soft Skills**: Teamwork, Problem Solving, Time Management, Adaptability
- **Languages**: Indonesian, English