

HOKA CRISTIAN SON

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Telecommunication Engineering student with strong background in IoT development, mobile applications, and web technologies. Distinction Graduate of Bangkit Academy 2024 with proven experience in full-stack development using modern technologies including Express.js, PostgreSQL, Next.js, and Android development with Kotlin and Flutter. Passionate about creating innovative solutions in cloud computing, software engineering, and IoT systems.

Work Experiences

Digistar Class 2024

Aug 2024 - Sep 2024

Mentee Hacker - Backend

- Specialized in backend development training program
- WhatsApp Bot System: Developed automated WhatsApp broadcasting bot for agent communication using Express.js and WhatsApp.js library
- Gained advanced skills in server-side development and API integration

Bangkit Academy - Bandung

Feb 2024 - Jul 2024

Distinction Graduate Mobile Developer Cohort

- KidLink Mobile Application: Led development of child-safe communication app with automatic context-based chat filtering using Kotlin and Android Studio
- Developed Mobile Applications: Participated in the intensive Bangkit Academy program, specializing in mobile app development using Kotlin and Android Studio.
- Collaborative Projects: Worked in a team to develop a comprehensive e-commerce application, integrating user authentication, product listing, and payment gateway functionalities.
- API Integration: Gained hands-on experience in integrating RESTful APIs, enabling the mobile apps to fetch and display data dynamically from remote servers.
- UI/UX Design: Applied principles of Material Design to create intuitive and aesthetically pleasing user interfaces. Utilized tools such as Figma for prototyping and design.
- Problem-Solving and Debugging: Improved debugging skills and problem-solving abilities through real-world project challenges and peer code reviews.

Cyber Physical System Laboratory - Bandung, Indonesia

Aug 2023 - May 2024

Research Assistant

- Support the research team in designing, developing, and testing IoT device prototypes.
- Laboratory Project : Created Vertical Garden Watering System based on IoT (Internet of Things) cooperate with SMA Negeri 1 Dayeuhkolot, improve its quality as a learning and green environment and sharing knowledge about IoT Implementation to teachers and students in SMA Negeri 1 Dayeuhkolot.
- Laboratory Project: Creating an IoT (Internet of Things) based PROBOX, with RFID sensors, Ultrasonic Sensors, which can detect items in the box, and can provide access to open the box according to the approved ID. Data history can be seen on the website: <https://probox-web.web.app/>

Jidan Shoppu - Jakarta, Indonesia

May 2020 - May 2023

Admin

- Monitor product stock and provide alerts if stock is running low or needs to be replenished.
- Process customer orders efficiently and accurately.
- Handle customer inquiries, problems, and requests quickly and courteously.
- Ensure completeness of product information, such as price, stock, and product variants.

Education Level

Telkom University - Bandung, Indonesia

Sep 2021 - Jul 2025

Bachelor Telecommunication Engineering, 3.40/4.00

- Cloud and Software Engineering, Mobile Development (Android), Internet of Things

SMK Telkom Jakarta - Jakarta, Indonesia

High School Diploma Students from the Access Network Engineering department, learn the basics of a network and learn an installation of a Fiber Optic Network.

- Specialized in network fundamentals and fiber optic network installation
- Leadership Role: General Chairperson of Student Council (MPK), 2019-2020

Project

- **Mobile Application BeWise** 📌 (2025): Developed BeWiseV1, an intelligent food and beverage recommendation mobile application using Flutter framework integrated with machine learning algorithms. The app features personalized recommendation system based on user preferences and dietary requirements, barcode scanning functionality for product identification, and subscription-based payment gateway integration. Implemented ML models for analyzing nutritional data and user behavior patterns to provide accurate recommendations.
- **Office Inventory Management System | 2025** 📌 (2025): Developed web-based inventory management system for office equipment tracking Implemented automatic QR code generation for asset identification Technologies: Express.js, PostgreSQL, Next.js
- **WhatsApp Broadcasting Bot | Digistar 2024** 📌 (2024): Built automated WhatsApp bot system for agent communication and mass broadcasting Integrated with business workflows for customer engagement Technologies: Express.js, WhatsApp.js, Node.js
- **KidLink - Child Communication App | Bangkit Academy 2024** 📌 (2024): Created mobile application with AI-powered content filtering for safe child communication Implemented real-time messaging with context-aware moderation Technologies: Kotlin, Android Studio, REST APIs
- **PROBOX Smart Storage System | 2023** 📌 (2023): IoT-based secure storage solution with RFID access control Web dashboard for monitoring access history and system status Technologies: IoT sensors, RFID, Web development