

# Arwildo Belekubun

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*Experienced Software Engineer with 6+ years in full-stack development, specializing in building scalable software and web applications, working with cross-functional teams. Adept at utilizing a wide range of technologies including **Java**, **JavaScript**, **Python**, **React**, and **Node.js** to design and implement innovative solutions that drive business growth.*

## PROFESSIONAL EXPERIENCE

January 2022 – Present

### Senior Software Engineer at Bunda Pengharapan Hospital

- Developed and maintained a **Hospital Management Information System (HMIS)** Software, handling **2.3 million** patient medical record transactions monthly.
- Led a team** of two developers, directing daily task assignments, strategic planning, and ongoing system improvements.
- Successfully migrated** legacy HMIS data to a newly built system, transferring **4GB of data** with a restructured schema, ensuring data integrity and compatibility.
- Improved patient service **efficiency** by developing a **queue system** that reduced patient wait times by **50%**.
- Ensured 98.9% hospital service uptime** by personally managing code reviews and deployments, preventing critical failures in patient care and hospital management system.

January 2021 – January 2022

### Full-Stack Developer at SMAN 2 Merauke

- Build and maintain a responsive **WordPress** platform for local school marketing and information.
- Boosted student registrations by **100% for the new semester** by building a strong online presence for the school.
- Automated** student Wi-Fi username and password generation using scripting, streamlining access management and improving efficiency.

July 2019 – Present

### Freelance Software Developer

- Developed a **Point of Sale system** for a UK-based crypto startup, utilizing **React** and **Redux** for the frontend and **Django** with **SQL** for the backend.
- Engineered a scalable **Electronic Medical Record (EMR)** system for multiple clinics and medical practices, managing 100+ daily **patient records**, **lab results**, and **e-prescriptions** with a secure **Laravel** and **SQL** implementation.
- Consulted** for and **customized** Electronic Medical Record (EMR) systems as an independent contractor for healthcare facilities, modifying existing solutions to meet their specific requirements and **enhance patient management capabilities**.

January 2018 – March 2018

### Intern at Ministry of Energy and Mineral Resources

- Conducted comprehensive field assessments using **geoelectrical methods** to evaluate hydroelectric and geothermal power plant potential sites, delivering **technical analysis** for strategic renewable energy development.
- Utilized **MATLAB** and **Python analytics solutions** to assess village energy potential, enabling **data-driven decisions** for rural electrification initiatives and infrastructure investments.

## EDUCATION & LEARNING

### Java Coding Bootcamp, Bali, Indonesia

Yayasan SIMRS Khanza Indonesia (YASKI)

### Mastering Mobile Programming Android

Skill Academy

### Alibaba Cloud Certified Associate

Alibaba Cloud

### Sam Ratulangi University, Manado, Indonesia

BSc of Physics, Concentration in Computational Physics

## KEY SKILLS

- Programming Languages:** Java, JavaScript, Python, PHP, SQL
- Web Technologies:** React, Redux, Next.js, Nest.js, Tailwind, Sass, Node.js, Express, HTML, CSS
- Database:** MongoDB, MySQL, PostgreSQL
- DevOps Tools:** Docker, Kubernetes, Jenkins
- CMS:** Wordpress, Shopify, Webflow, Github Pages
- Cloud:** Amazon Web Services, Alibaba Cloud