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 record**s, **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, REST APIs, Next.Js, Nest.Js, Tailwind, Sass, Node.js, Laravel, Django, Express, HTML, CSS
- **Database**: MongoDB, MySQL, PostgreSQL
- **DevOps Tools**: Docker, Kubernetes, Jenkins
- **CMS**: Wordpress, Shopify, Webflow, Github Pages
- **Cloud**: Amazon Web Services, Alibaba Cloud
- **Other**: Search Engine Optimization, AI Tools, Machine Learning