BRAHMA PUTRA

SOFTWARE ENGINEER, FRONT-END DEVELOPER, GIS

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Software Engineer with over 6 years of experience specializing in Front-End development and Geospatial Analysis. A proven developer and application designer with a strong track record of delivering high-quality, scalable software solutions across diverse projects on time. Skilled in spatial data structures, data flow, analysis, visualization, and integration. Proficient in Nuxt.js/Next.js, React/Vue.js, and tools such as Figma, Esri, and Mapbox. An efficient professional with expertise in leveraging AI tools to boost productivity and drive innovation.

PROFESSIONAL EXPERIENCE

KOTA KITA FOUNDATION, POLYURBAN WATERS
GIS Software Engineer

Surakarta, Indonesia (remote)
Aug 2024 - Present (6 month contract)

As a GIS Software Engineer, I am developing and maintaining kotaramahair.id, a GIS-based web application for the management and visualization of water-related data for Polyurban Waters.
- This app is built using NuxtJS, MapLibre, Vuetify and a custom MapServer, with seamless integration of a backend API. Collaborated with Technische Universität Berlin, Kota Kita, and Cityplan.

PT. BIOFARMA (Persero)
Software Engineer, Front-End

Bandung, Indonesia
Jul 2023–Jul 2024 (1 year contract)

As a front-end engineer, I am contributing to the development of the Vendor Qualification and Audit Management module for Q100+ Biofarma, an internal supply chain management application.
- Utilizing ReactJS, I am constructing responsive and accessible user interfaces that streamline vendor evaluation and audit processes, thereby enhancing operational efficiency.

PT. AMARTHA MIKRO FINTEK
Software Engineer, Front-End

Jakarta, Indonesia
Mar 2023 - Jun 2023

During my tenure at Amartha, I contributed to the development of key features using Next.js, including the Promotional Voucher system and the Investor Dashboard revamp. The Promotional Voucher system was designed to incentivize investments by offering rewards. The Investor Dashboard revamp aimed to enhance user experience by simplifying the login process and making the interface more intuitive.

PT. KOLABORASI RUANG INDONESIA (CITYPLAN)
Software Engineer

Bandung, Indonesia
Feb 2018 - Feb 2023

Leading Front-End Developer Engineers, helping clients to shape their needs, and transforming ideas into production-level apps. Some of the highlighted involved projects listed below:
- **Spatia DashMap** : A Software-as-a-Service project for automating spatial data workflow, such as report generation, automated site analysis for land valuation, etc. I developed the front-end with NuxtJS and Mapbox.
- **Indonesia's National Urban Planning Regulation:** I built the Front end of RDTR Interaktif to provide urban planning regulations in Indonesia with the Ministry of Spatial Planning and the Ministry of Investment across cities in Indonesia
- **Indonesia's National Urban Planning Control System**: Developed a national platform for citizens to report the misuse of the utilization of urban planning regulations.
- **Indonesia's National Geopark Portal:** I led the development of the National Geopark's Portal Project as a Platform for Indonesia Geopark Sites before being evaluated by UNESCO. I developed the front-end, creating app design as well as translating what the client needs.

PROFESSIONAL EXPERIENCE

MINISTRY OF ENERGY AND MINERAL RESOURCES
Software Engineer Internship

Bandung, Indonesia
Aug 2016 - Dec 2016

During my internship, I contribute to the development of the prototype of drilling permint system and ground-water information supervised by senior engineer.

EDUCATION AND TRAINING

Bandung, Indonesia
2013 - 2017

UNIVERSITAS PENDIDIKAN INDONESIA

Bachelor of Computer Science (emphasized in Machine Learning and Natural-Language Processing) with cum-laude predicate and international paper publication at Journal of Engineering Science and Technology Vol. 14, No. 1 (2019) 498 - 508 © School of Engineering, Taylor's University.

GOOGLE

Remote
Nov 2022

Google UX Design Course, Foundation of User Experience. This training including to understand foundational concepts in UX design, such as user-centered design, the design process, accessibility, and equity-focused design.

TEAM TREE HOUSE

Remote
2018

Front-End Web Development and VueJS. This training consist of a comprehensive curriculum designed to equip participants with the skills necessary to build dynamic and responsive web applications, deeply learning about javascript and vueJS.

TECH STACK AND TOOLS

- **Frontend** : VueJS/NuxtJS, ReactJS/NextJS, HTML, CSS
- **Backend** : ArcGIS Server, Docker,Laravel, FeatherJS, MySQL, NodeJS, PHP, PostgreSQL, Python
- **MapEngine** : ArcGIS Javascript, MapBox, MapLibre, Leaflet, Google Map, Google Earth Engine
- **Infrastructure**: IBM Watson Studio, Microsoft Azure, Google Cloud Platform
- **Prototyping Tools**: Figma, Framer, Miro
- **Supporting AI Tools**: ChatGPT, GrokX, Gemini, CoPilot.