Farel Reyhananda Nugraha

Software Developer (Full Stack)

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Jakarta, Indonesia

A passionate software engineer with 3+ years of experience in web software development. Stem from the same passion to grow, I have managed to learn a handful of skills, such as web development, machine learning, OHS, CAD, as well as geophysics skills that I receive from college study

Work Experiences

Fullstack Engineer   Aug 2023 - Nov 2024

JULO | Jakarta, Indonesia
- Collection and repayment related backend improvements (API, code improvement, Optimizing API performance)
- Scheduling task for payment reminder, FDC, populate data
- API integration with third party-related backend work (Callback)
- Frontend website (CRM internal site, external site, webview)
- Frontend related communication templates (email, sms, push notification)

Backend Engineer   Aug 2021 - May 2023

Finku | Jakarta, Indonesia
- Developed API for various features using NestJS + mongodb (Gamification, Homepage, Loan, Internal uses, third-party API integration)
- Web scraping with Puppeteer
- Developed internal website using Vue.js
- Setting up scheduler (cron), caching (redis), Encryption for multiple purposes

Undergraduate Thesis Internship   Sep 2018 - Apr 2019

PT. Pertamina EP Asset-3 | Cirebon, Indonesia
- Seismic interpretation, Well-Seismic Tie, and result analysis
- Analyzing limestone reservoir distribution with Multi-Attributes Seismic

Practical Thesis Internship   Apr 2018 - May 2018

PT. Pertamina EP Asset-3 | Cirebon, Indonesia
- Seismic interpretation, Well-Seismic Tie, and result analysis

Educations

Hacktiv8 Full Stack Javascript Immersive Full Stack Javascript	Apr 2021 - Jul 2021
Institut Teknologi Sepuluh Nopember Bachelor's Degree | Geophysical Engineering (GPA 3.04/4.00)	Aug 2014 - Aug 2019

Certifications

Sanbercode Python Advanced Data Science Training	Sep 2020
Sanbercode Python Data Science Training	Aug 2020
Occupational Health and Safety (Ahli K3 Umum) by The Ministry of Manpower of the Republic of Indonesia	Nov 2019
Paradigm SeisEarth Software Training by PT. Paradigm Geophysical Indonesia	Jun 2017

Projects

Sudoku App for Mobile https://github.com/farel14/sugoku/tree/03-final Tools: • JavaScript • PostgreSQL • React Native • Bootstrap • Redux • React Navigation
Movie and TV Series App https://github.com/farel14/entertainme/tree/06-deploy Tools: • JavaScript • Redis • Tailwind • MongoDB • React • AWS • Apollo GraphQL
Pelit Money Tracking App for Mobile https://github.com/farel14/pelit-client | https://github.com/farel14/pelit-server Tools: • JavaScript • React Native • Tesseract OCR • Supertest • PostgreSQL • Redux
Travel App (Jalan-Jalan Ngab!) https://github.com/farel14/jalan-jalan-ngab Tools: • JavaScript • Socket.io • Bootstrap • Express.js • PostgreSQL • jQuery • Sequelize
Auction Web App - Tools: • Python • SQLite • Django • CSS • Javascript
Yu-Gi-Oh! Wiki and Deck Builder App https://kodok-sarjana.web.app/

Tools: • JavaScript • Sequelize • Yugioh API • Vue.js • PostgreSQL • Vuex • Bootstrap
Hearthstone New Expansion Hype Analysis - Tools: • Python • Pandas • Word Cloud • Matplotlib • Twitter API • SciPy • Beautiful Soup
Quiz Score Counter Bot for Discord https://github.com/farel14/discord-quizbot Tools: • Discord.py • JSON • python-dotenv
Music Album holder and Earphone Bag (3D model) - Tools: • Autodesk Fusion 360 • Ultimaker Cura

Research and Publication

Application of Multi-Attributes Seismic for Analyzing Limestone Reservoir Distribution (Case Study: Upper Cibulakan Formation, North-East Java Basin)	Sep 2019

Skills

Web • JavaScript • TypeScript • Python • Nest JS • Express • React • React Native • Vue.js • Django Python • HTML • CSS & Sass • Puppeteer
Machine Learning • Python • SciPy • Matplotlib • Pandas • Discord.py • Discord.js
Database & Tools • PostgreSQL • SQLite • MongoDB • Sequelize • Redis • Git • GitHub
Geophysics • SeisEarth • GeoDepth • Echos • VISTA Seismic • Res2DInv • ZondRes2d • MATLAB
Occupational Health and Safety • ISO 9001 • ISO 14001 • ISO 45001 • ISO 31000 • JSA & CSMS • BFF & BFA • Health Regulation • SMK3
CAD • Autodesk Fusion 360 (3D Design) • Ultimaker Cura (3D Print)