Yana Dwi Putra Nugraha

Software Engineer based in Indonesia

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Education

Institut Teknologi Bandung   09/2016 — 10/2018

- **Major:** Master in Management Science (MSM) — GPA 3.79
- **Coursework:** Advanced Statistics, Agent Based Modelling and Simulation, Service Science
- **Thesis:** Text Mining to Identify Hoaxes and Its Implications in Indonesian Society

Universitas Pendidikan Indonesia   09/2010 — 03/2015

- **Major:** Bachelor of Computer Science (BCS) — GPA 3.28
- **Coursework:** Algorithm & Programming, Data Structures, OOP, Database, Web Programming and Design, Software Engineering
- **Awards:** 1st place BlackBerry Fun Development 2013 in ITB, presented a Cocos2DX-based platformer
- **Certification:** Certified Associate Android Developer (https://www.credential.net/hz11npql)
- **Thesis:** Cybil2D Library as an OpenGL ES Abstraction Alternative to Reduce Code Complexity

Work Experiences

Software Engineer, Backend at Traveloka (traveloka.com)   03/2019 — Present

- Supported day-to-day operations and testing of Flight+Hotel product from end-to-end independently
- Saved deployment and testing time by migrating and decoupling Flight+Hotel AWS infrastructures
- Reduced flight operations workload during initial COVID-19 situation by 80% by creating airline e-mail automation
- **Relevant Knowledge:** Java, Kotlin, Spring Boot, AWS, Ansible, Terraform, Jenkins, MongoDB, Redis, Datadog, TestNG, Mockito, Git

Web Developer at RumahHosting.com   08/2016 — 12/2018

- Created client projects ranging from information systems, e-commerce sites, and company portfolios using various stacks
- Developed web-based internal ledger to track revenues and implemented payment gateway integrations using 3rd-party APIs
- Increase in sales following implementation of Google Analytics Measurement Protocol
- Improved customer satisfaction by introducing WhatsApp Business integration
- **Relevant Knowledge:** Laravel, PHP, Node.js, NextJS, MySQL, ReactJS, Vue, Grafana, Git, HTML, CSS, Git, WHMCS, Midtrans

Software Projects

Notiby (https://github.com/djzmo/notiby)   2020

- Developed a set of API to manage cryptocurrency alerts based on certain TradingView technical analysis indicators
- Developed a scheduler to periodically evaluate cryptocurrency indicator values to generate alerts to a webhook
- **Relevant Knowledge:** Ruby, Sinatra, Mongoid, MongoDB, RSpec

Tes Kepribadian (https://teskepribadian.id)   2018

- Implemented online computer-assisted personality test based on OMNI Personality Inventories
- Developed ReactJS web interfaces and Node.js backend APIs for psychologists and patients to manage and answer tests
- Currently being actively used by two Indonesian universities for identifying personality disorders in enrolling students
- **Relevant Knowledge:** Node.js, NextJS, MySQL, ReactJS, Ant Design, DigitalOcean

Mutapi (https://mutapi.com)   2018

- Developed a scalable design for periodically crawling and aggregating bank statements from multiple accounts to achieve centralized bank statement dashboard
- Implemented API services for 3rd party access to the aggregated data
- **Relevant Knowledge:** Typescript, Node.js, NextJS, Express, MySQL, Puppeteer (Chromium automation), HTML scraping

Cybil2D (https://bitbucket.org/djzmo/cybil2d)   2015

- Implementation of my Bachelor's thesis
- Developed a set of OpenGL ES wrapper library to ease graphics software development by utilizing specific design patterns
- **Relevant Knowledge:** C++, OpenGL ES API, Object Oriented Programming (OOP) Design Patterns

Skills

Working Knowledge

Programming Languages

C++ Java JavaScript PHP Typescript

Database

MongoDB MySQL NoSQL Redis SQLite

Libraries & Frameworks

Bootstrap Express Laravel Next.js Node.js React Spring Boot

Tools & Platforms

AWS Docker DigitalOcean JetBrains Terraform

Basic Knowledge

Programming Languages

C C# Go Ruby Visual Basic

Database

DynamoDB ElasticSearch Filemaker Microsoft SQL Server PostgreSQL

Libraries & Frameworks

Android SDK CodeIgniter Lumen Rails SailsJS Sinatra Slim

Tools & Platforms

Ansible