Josep Marcello

jspmarcello@live.com • (62)896-5151-2403 • https://www.linkedin.com/in/josepmk1/ • https://www.jspmarc.dev

Education

Bandung Institute of Technology—Bandung, Indonesia   2019—2023 (expected)
Bachelor of Computer, Informatics Engineering
GPA: 3.55/4.00
Some finished courses:

- Web-based Application Development,
- Parallel and Distributed Systems,
- Database Management,
- Artificial Intelligence,
- Algorithm Design,
- Object Oriented Programming,
- Operating Systems,
- Software Project,

Skills

- **Programming Languages**: TypeScript, Golang, Kotlin, C#, C/C++, Java, Python, Rust, PHP, JavaScript, Lua
- **Development Tools**: SQL Databases, Git, Docker, Redis, UNIX-based OS, GitHub & GitLab CI/CD, GNU make
- **Languages**: Bahasa Indonesia (native), English (fluent)

Work Experiences

Tiket.com
Internship, June 2022—now
Backend Engineer

Kenangan.com
Part time, December 2021—May 2022
Junior Backend Engineer

- Tech stack: Node.js, Fastify.js, MySQL, Sequelize
- Create APIs for Kenangan's app.
- Created a worker to download videos from a third-party content bucket to Kenangan's S3 bucket.
- Redesigned and rewrote the database.

Distributed System Laboratory Assistant
Full time, July 2021—now
Teacher's Assistant

- Work with 8 other assistants to create tasks and projects for 4 courses with around 160 students each.

CoLearn
Internship, September 2020—February 2021
Data Analyst

- Optimized machine learning algorithm by evaluating over 10,000 pictures from machine learning prediction.
- Helped streamlining my team's workflow by creating a Python script to automatically download JSON data from an API and parse it into a CSV file.

Wardaya College
Internship, July 2020—August 2020
Software Engineer/Backend Developer

- Tech stack: Python Flask, MySQL
- Developed a new e-learning platform with 3 other software engineers.
- Administrated a Moodle-based LMS with 3 other software engineers.

Projects and Coursework

[Mile Zero Project 2.0 Website](#)

- A website to promote IEEE ITB Student Branch's competition and for participants to sign up and submit their work. Used TypeScript, PostgreSQL, Prisma.js, and Vue.js. Deployed with GCP, Docker, and Terraform.

[Dorayaki Store](#)

- E-commerce app for a fictional company. Made up of 3 apps, written in PHP, Java, React.js, Tailwind, Fastify, Prisma.js, TypeScript. Databases are PostgreSQL and Redis. Deployed with Docker and Docker Compose.

Nisbi.id (privated project)

- A Google Drive-like app created as one of Radya Labs' projects. Back end is using Go and PostgreSQL.

[Other projects (GitHub)](#) | [Other projects (University's GitLab)](#)

Organizational Experiences and Achievements

Organizational: Head of Technology, Issue, and Exploration Department HMIF (June 2022—now), Head of Website Development Parade Wisuda Juli ITB 2021 (May 2021—July 2021), Best CTF staff of Arkavidia 7, Head of Appreciation UATM ITB (March 2021—March 2022).

Achievements: Finalist at Bina Nusantara University Cyber Security Community (Binus CSC) National Cyber Week, Cyber Arena CTF competition. Finalist at UGM JOINTS 2021 CTF Competition.