Jakarta, Indonesia
alvintriseptia@gmail.com

Alvin Triseptia Mairis

github.com/alvintriseptia
linkedin.com/in/alvin-triseptia-mairis

Highly motivated and technically proficient informatics student passionate about software engineering. With a solid foundation in programming languages and software development principles, the goal is to contribute to a dynamic organization as a software engineer. Strong analytical skills and quick adaptation to new technologies have facilitated staying current with industry trends and best practices.

Experience

Research Frontend Engineer — **Badan Meteorologi Klimatologi Geofisika (BMKG)** — **Sept 2023–Mar 2024**
Project Based (Remote) — Jakarta, Indonesia — Earthquake Monitoring
Tech stack: **Miro, Figma, Maze, Next Js, Tailwind CSS, MapLibre, Turf Js, Firebase, REST API, WebSocket**

- Analyzed and gathered software requirements to develop web-based real-time earthquake monitoring that applied artificial intelligence
- Developed an intuitive UI/UX for real-time earthquake monitoring using Goal-Directed Design. Rigorously tested the user interface using a combination of usability testing and the System Usability Scale, achieving an impressive score of 74.5 out of 100
- Developed a web-based real-time earthquake monitoring front-end using the ICONIX Process. The application underwent thorough testing using 36 carefully crafted black box test cases. Additionally, conducted performance testing with the Lighthouse framework, achieving success in 16.8 out of 22 test cases with 5 test runs

Software Engineer — **Fedora Cakra Informatika** — **Oct 2023–Jan 2024**
Full Time (On-Site) — Makassar, Indonesia
Tech stack: **CodeIgniter 4, MySQL, JQuery, Node Js, WebSocket, Jitsi Meet**

- Collaborated in a team to analyze and gather software requirements for a Hospital Management System, ensuring alignment with operational needs
- Developed a reusable module to provide over a hundred form assessments for seamless integration, optimizing form processing efficiency
- Developed an Electronic Medical Record module, consolidating historical patient data based on SatuSehat metadata standards for improved patient care
- Designed and developed a pharmacy service, enabling order acceptance from various installations and providing end-to-end services from recipe assessment to drug delivery, enhancing overall pharmacy operations

Software Engineer — **Telkomsel** — **Jan 2023–Feb 2023**
Internship (Hybrid) — Semarang, Indonesia — RAN Dashboard
Tech stack: **Whimsical, Figma, Vue.js, Element Plus, REST API**

- Analyzed and gathered software requirements to develop a simple web-based activity-tracking application
- Designed a UI/UX activity tracking website using Whimsical and Figma
- Built and developed a simple activity-tracking website in three weeks using Vue.js, PHP, and MySQL

Product Engineer — **KodingWorks** — **July 2022–Jan 2023**
Part Time (Remote) — Semarang, Indonesia
Tech stack: **Flutter, GetX, BLoC, Firebase, REST API**

- Developed and Maintained an Android app using Flutter and Getx with MVC architecture
- Implemented API using Flutter with Dio/http package
- Assisted in completing a client project within one month deadline during the probation period to implement API using Flutter and BLoC with Clean Architecture

Education and Certifications

- **S.Kom, Informatics,** Universitas Diponegoro, Semarang — **Sept 2020–Mar 2024**
- **Bangkit Academy 2023 Batch 1 Distinction Graduate,** Dicoding Indonesia, Bandung — **Feb 2023–Jul 2023**
- **Finalist Competitive Programming,** IFest Universitas Atma Jaya, Yogyakarta — **May 2022**
- **1st Place Frontend Web Development Competition,** KSAD Universitas Atma Jaya, Yogyakarta — **Mar 2022**