

ANDIKA TIRTA

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Jakarta, Indonesia

Summary of Qualifications

- Experienced in developing Reliable and secure web applications.
- Skilled in both frontend and backend development, ensuring seamless user experience and efficient system operations.
- Experienced in working within cross-functional teams using Scrum methodology to deliver high-quality applications.

Technical Skills

- **Programming Languages** : Java, JavaScript, TypeScript, SQL
- **Framework** : Spring Boot, React, Express.js, Tailwind
- **Tools & Platforms** : Vite, PostgreSQL, DigitalOcean, Midtrans

Non-Formal Education

Back End Engineering (Java)

SYNRGY Academy Batch 6 96/100 Aug, 2023 - Mar, 2024

Full Stack Web (Javascript)

SYNRGY Academy Batch 7 96.7/100 Feb, 2024 - Aug, 2024

Software Projects

E-Flight Ticket Platform Backend Engineer (Java)

- Collaborated with a cross-functional team of 15+ members (QA, PM, UI/UX, Android, Backend, and Frontend) using Scrum methodology to develop a flight ticket booking app.
- Successfully delivered 30+ RESTful APIs, enabling seamless flight search, booking, e-ticket issuance, and admin reporting across web and Android platforms.
- Implemented a robust authentication system using OAuth and JWT for secure, role-based access control, ensuring tailored access and enhanced security.
- Tech Stack: Java, Spring Boot, Postgre SQL, Midtrans, Digital Ocean, Maven.
- Repository : <https://github.com/WeFly-Team/Backend-Java>

Accessibility Banking Apps Frontend Engineer (Typescript)

- Collaborated with a cross-functional team of 20+ members using Scrum methodology to develop a responsive and accessible banking web app, enabling users to check balances, track transactions, make transfers, and QRIS payments.
- Built reusable components using atomic design principles, ensuring scalability and consistency across the application.
- Implemented accessibility standards across key pages, delivering features such as balance info, account mutation, transfers, and QRIS payments to ensure an inclusive and robust user experience.
- Tech Stack: Typescript, Vite, React, Tailwind CSS, Netlify.
- Repository : <https://github.com/Team-1-RAP/FSW-Frontend>

Education

Bachelor of Mechanical Engineering with mechatronics concentration

Swiss German University

3.41/4 GPA

Jul, 2018 - Feb, 2023

Work Experience

Teaching Assistant Swiss German University

Aug, 2022 - Feb, 2023

- Coordinated and led laboratory activities for 25+ students, ensuring adherence to safety protocols and accurate reporting.
- Assisted in teaching and materials procurement for 20+ students in Algorithm and data structure class with the C++ language.
- Designed 5+ interactive exam questions with a user-friendly interface, resulting in a 30% increase in students passing tests using an IDE compared to written exams.

Intern PT Parama Spekta Infinindo

Mar, 2021 - Jun, 2021

- Designed and developed 5+ custom products using SolidWorks, overseeing the process from concept and revisions to successful project delivery.
- Developed 10+ detailed technical drawings, ensuring 100% accuracy in dimensions, tolerances, and specifications for seamless production.
- Assisted in the manufacturing process by providing clear instructions and resolving technical challenges, reducing production delays by 20%.

Intern PT Fluid Science Dynamic Indonesia

Aug, 2019 - Oct, 2019

- Designed 3 technical drawings of dry gas seals using Solidworks for catalog display.
 - Assisted in repairing, manufacturing, and packaging 5+ dry gas seals for customer delivery.
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Organization Experiences

PIC of Mini Haunted House SGU Event Community

Sep, 2018 - Nov, 2018

- Organized a profitable game event with 80+ participants, achieving a 300% return on initial expenses by focusing on visitor satisfaction.
- Led and supervised a three-member team to make the concept and design of a haunted house attraction.
- Prepared and presented weekly progress reports using Microsoft Word and delivered final concept presentations via PowerPoint, keeping the club chairman updated on project developments.

Vice Head of Digital Design Mechatronics Day 2019

Aug, 2019 - Nov, 2019

- Led and supervised a two-member team in creating and revising design proposals and banners, successfully delivering 3 finalized designs.

Member of Counselor Student House of Representative

Feb, 2019 - Sep, 2020

- Served as a counselor for BEM, reviewing, supervising, and advising on the execution of 5+ events, from proposal development to activity reporting, ensuring smooth operations and compliance.