As'ad Saleh Umar

Software Engineering Lead & Manager - <u>Gmail</u> <u>LinkedIn</u> <u>Personal Site</u> <u>Blog</u>

SUMMARY

Software engineer with 6+ years of professional experience. Strong team player, leader, and teacher. Experienced in the full-stack development cycle from design to deployment. Years of hands-on experience in the web ecosystem. Loves teaching and sharing technical skills. Proficient in technical level English.

WORK EXPERIENCES

Tangga Belajar | January 2023 - now

I founded Tangga Belajar, an online learning platform designed to accelerate coding education for Indonesians. Inspired by Codecademy and LeetCode, it offers a comprehensive free course featuring 100 topics and questions, with a premium course launching soon. I manage both the technical and business aspects of the site.

MainstreamLabs, US (Remote) Full Time | June 2023 - January 2024, 8 months

MainstreamLabs is a startup with a vision to provide a governance platform for web3 organizations. Tech stack includes: NextJS 14 (RSC), Stripe API, NodeJS, Supabase.
As a **Full-Stack Developer,** I helped the team to polish the previous app, which is a twitter-like web3 app for users to manage & follow their interest in available DAOs. I also helped the team develop a new app –a notification service SaaS– from scratch to production in record time.

Infradigital Nusantara, Indonesia, Full Time | April 2020 - June 2023, 3 years and 3 months

Infradigital is a B2B Edtech Startup providing financial, compliance & supply chain services to over 20,000 low-income schools. I was a part of the engineering team, tasked with developing & maintaining the apps & services. Tech stack including: Flutter, React, NextJS, Golang, NodeJS, Android (Java), and Redis.

Frontend & Mobile Engineering Lead | October 2022 - June 2023, 7 months

Promoted to engineering leader to Frontend and Mobile development teams. Leading a total of 5 software engineers across 2 teams.

Software Engineer, Payment Team | February 2022 - October 2022, 8 months

Assist my company in obtaining PTD (Penyelenggara Transfer Dana) certification from Bank Indonesia. Build internal web-based tools to help the sales team generate MoU documents on the fly.

Software Engineer, School's Digitalization Team | October 2021 - February 2022, 5 months

Help one of the most crucial apps in my company to be migrated from Golang + VanillaJS to a NextJS app, and launched on schedule to be used by 20k+ schools across Indonesia.

Mobile Developer, Flutter Team | October 2020 - October 2021, 1 year

Lead a team to build a new cross-platform Flutter mobile app from scratch with main features: online payment, student's records & file uploads, student financing, and newsfeed. I act as a mobile lead – leading a team of 3. We develop the app to 100K downloads in Google Play Store.

Mobile Developer, Android & NodeJS | April - October 2020, 7 months

I maintain an existing Android and NodeJS app for student payment. We successfully decreased the number of crashes significantly.

Binar Academy's Full-Stack Class, Part Time | December 2022 - May 2023, 5 months
Lecturer & mentor
We facilitate a class (10-person, 6-months program) to be excellent at full-stack web development by delivering course material accompanied by live coding examples & mentoring student's final project.

DigiTalent Scholarship's Frontend Class, Part Time | July - October 2021, 3 months
Lecturer & mentor
We teach JavaScript & React in a 3-months online course to 20+ students in Digitalent Scholarship (DTS) 2021, a program held by Indonesia's Ministry of Communication & Informatics.

RubyH, Indonesia, Full Time | March 2018 - April 2020, 2 years and 2 months

RubyH is an Indonesian software house that helps startups/companies outsource their tech needs. We work with clients including PwC, Midtrans, Akseleran, Transfez, etc. Tech stack includes: React, Redux, ReduxForm, React Native, TypeScript, Apollo GraphQL.

Associate-level Engineer (Team Lead) | March 2019 - April 2020, 13 months

Promoted as team lead. I code, mentor the team, manage the team workload, and also architect the front-end app. We successfully delivered all projects and also started using TypeScript in our stack to improve our DX.

Junior-level Engineer | March 2018 - March 2019, 13 months

As this is my first software engineering role, I learned many practical coding skills. However, in my second project I managed to suggest a crucial insight for Redux state architecture.

EDUCATION

Universitas Indonesia, Indonesia | August 2012 - August 2016
Bachelor of Science, Physics. GPA: 3.29 (out of 4)
Thesis: Computational modeling of Titanium Dioxide atomic structure to observe its magnetic behavior in respect of temperature (Curie temperature), which could lead to the development of spintronics material. It is done using Fortran 95.

COMMUNITY DEVELOPMENT

1. Initiator of GEMESH (En**gin**eering **Me**et and **Sh**are), an event at Infradigital Nusantara which gathers software engineers in an interactive, weekly, tech talk. Topics cover a wide range, from SQL to CSS.
2. Lecturer & mentor at Binar & DTS programming courses.
3. Speaker in "Seminar Akademi dan Profesi Fisika UI" (Academy and Profession Seminar) 2019, talking about minimizing barriers to software engineering for Physics's UI students.
4. 2106 points of [StackOverflow](#) contribution
5. I write about my life and coding experience as a [blog](#) and open sourced my [hobby projects](#).