

Fikri Karim

<https://fikrikarim.com/portfolio>

<https://github.com/fikrikarim>

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Education

- **Institut Teknologi Bandung**

Major in Microbiology

Aug. 2016 – Jun. 2021

Experience

- **Software Engineering Intern**

Blik GmbH, Munich

Jan 2019 – May 2019, **5 months**

- Profiled the main React app performance, tracked down the issue, and improved the rendering performance by 3.7x.
- Enabled end-to-end tests on CI, wrote down tests with *>79% coverage* for the whole application features.
- Designed and deployed two out of three company's major features.

Daily tech used: React, Redux

- **Software Engineering Intern**

Nimble, Bangkok

Jun 2018 – Dec 2018, **7 months**

- Implemented real time chatting, trust and block system, and real-time updates on a cryptocurrency exchange project.
- Reduced the CI testing time from *39 mins to 13 mins* on a 3-year-old project and *dockerized* the testing environment.
- Built a fruit detection machine-learning-powered web application using Keras and Tensorflow.js on company's hackathon day. Won company's hackathon and got a free ride to *RubyConf Malaysia 2018*.

Daily tech used: Ruby, Ruby on Rails, React, Vue.js

Projects

- **Attendance System for Indonesian Embassy**

Built a barcode-scanning attendance web application system that's used by Indonesian Embassy in Thailand for year events that are attended by >600 Country's VIPs including 39 ambassadors.

Tech used: React, Redux, Firebase, Google Cloud Functions, Google Sheet API

- **Dormitory Permission App**

Application used by students for requesting permission when they want to go out from dormitory. For Android and iOS. Used daily by ~200 students.

Tech used: React, Redux, React Native, Ruby, Ruby on Rails

- **Disjoy**

Reddit-like site for Indonesians that we launched in 2017. Spent Rp 10.000.000 for initial traction. 22.000 users visited site on the first week of launching. Unfortunately, we couldn't keep the organic growth and the site slowly died.

Tech used: Ruby, Ruby on Rails, Nginx, PostgreSQL, RSpec

- **Dancing Humanoid Robot Team**

Wrote software to control the movements of a humanoid robots with 25 servos using microcontrollers Teensy 3.6 and OpenCM9.04A. Won second place at an official state-level competition held by Ministry of Education and Culture.

Tech used: C++, Arduino

Skills

- Proficient in Ruby, Ruby on Rails, Firebase, Node JS, React, Redux, C++, Python, JavaScript, SQL, HTML, CSS.
- Experienced with version control system, relational and non-relational databases, building web API and web application using Ruby/Javascript, mobile development using Javascript (React Native).

Others

- **Gold Medal and Best Theory on National Biology Olympiad in 2014**

The most prestigious national biology Olympiad for high school student held by Ministry of Education and Culture.

- Head of Local Youth Organization. 23 active members. *2015-2016*

- Part-time Biology Olympiad Teacher. Taught at more than 15 high schools across Indonesia. *2015-2018*