Fikri Karim

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Education

- **Bandung Institute of Technology**
  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
- **Table.id**
  Built a Reddit-like site for Indonesians called https://table.id/. Spent Rp 10.000.000 for initial traction. 22.000 users visited site on the first week of launching . 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).

Other Achievements

- **Gold Medal and Best Theory on National Biology Olympiad in 2014**
  Most prestigious national biology Olympiad for high school student held by Ministry of Education and Culture.

Organizations

- Dormitory Supervisor. *2016-2018*
- 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*