

Fikri Karim

<https://github.com/fikrikarim>
<https://linkedin.com/in/fikrikarim>

Email: fkfikrikarim@gmail.com

Mobile: (+62) 8568763901

Education

- **Bandung Institute of Technology**

Major in Microbiology

Aug. 2016 – Jun. 2020

Projects

- **Table.id**

Built a Reddit-like site for Indonesians using Ruby on Rails called <https://table.id/>. We held a short story competition to attract users to submit story to our site for initial traction. The prize pool was Rp 10.000.000. A total of 22.000 users visited site on the first week of competition. The competition was huge success. Unfortunately, we couldn't keep the organic growth and the site users slowly decrease.

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

- **Dormitory Permission App**

Developed Android, iOS, and Web app of online dormitory permission for organization that has seven boarding schools in Indonesia. The students use the app to ask permission to go outside the school. Then the supervisors accept or refuse the permission requests. When the students go outside, the security guards scan the RFID on student's card, then the monitor will show either the student have approved permission or not.

Tech used: React JS, React Native, Redux, Firebase, Jest

- **Dancing Humanoid Robot**

Programmer for robotics team at my university. Our team competes in national dancing robot competition held by Ministry of Education and Culture. I write the software to control the movements of 25 degree of freedom (servos) in humanoid robot using microcontroller (Teensy). Last year we used software from DARwIn-OP, but this year we create framework from scratch. Two main functions of the software: action editor, to create the four minutes dancing movements and save it to SD card; main function, to move all the 25 servos seamlessly during the competition.

Tech used: C++, Arduino

Achievements

- **Gold Medal on National Biology Olympiad 2014**

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

- **Best Theory on National Biology Olympiad 2014**

Additional award for highest theory's score.

- **Winner of Airlangga National Pharmacy Olympiad 2014**

Most Prominent National Pharmacy Competition held by University of Airlangga.

Skills

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

Organizations

- Head of competition management division on University's Robotics Club. 2017 - 2018
- 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-Present