

# Muhammad Hasan

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## EDUCATION

- Institut Teknologi Bandung** Bandung, Indonesia  
*Bachelor of Informatics Engineering* Aug. 2018 – Jul. 2022 (expected)

## WORKING EXPERIENCE

- Traveloka** Tangerang, Indonesia  
*Backend Engineer Intern* Aug 2021 - Present
  - API Testing:** Mainly working on API testing using Karate Framework, AWS, and Terraform to ensure the coverage of API used in Flight Team
  - Setup Local Service:** Setting up services in Flight Team with Mountebank, so it can be run and tested locally
- Sayurbox** Jakarta, Indonesia  
*Software Developer Engineer Intern* May 2021 - Aug 2021
  - Email Notification Warehouse:** Developed email notification for orders in Sayurbox using Java Springboot, so that warehouses will receive an email when an order is confirmed by the system
  - Fixing Numbering:** Fixing many numbering details in PDF Generator and Content Management System Orders used in Sayurbox
  - Data Addition:** Developed many various data additions on backend services using Java Springboot, MySQL, MongoDB, and ExpressJS
- Pinhome** Jakarta, Indonesia  
*Software Engineer Intern* January 2021 - March 2021
  - Content Management System:** Mainly working on backend services for CMS (Content Management System) to deliver forum threads within the internal people. Created using Golang, PostgreSQL, GORM and Kubernetes

## PROJECTS

- Money Monitoring Application:** Created application for monitoring money and giving data charts, created with ReactJS, Bootstrap, NodeJs, Express, and MongoDB
- Fitness Android Application:** Fitness Android Application is an android application that can support exercise activities that contain several features such as Sport News, Training Tracker, Training History, and Training Scheduler.
- Academic Information System Application:** This Academic Information System application was developed to meet the needs of academic administration activities. Created using PyQt and MySQL

## ACHIEVEMENTS

- National Gold Medalist ICPC 2021 - Asia Jakarta Regional:** International Collegiate Programming Contest is an annual multi-tiered computer programming competition among the universities of the world.
- 1st Winner IYCL 2021:** IYCL (Indonesian Young Coder League) is a competition for young engineers to show off and prove their coding skills with others from around Indonesia
- Gold Medalist GEMASTIK XIII - Programming Category:** GEMASTIK is an annual national IT competition event. It has multiple competitions, one of them is the programming category. This event was held by The Ministry of Research and Technology of Indonesia
- National Gold Medalist ICPC 2020 - Asia Jakarta Regional:** International Collegiate Programming Contest is an annual multi-tiered computer programming competition among the universities of the world.

## VOLUNTEER EXPERIENCE

- Head of Competition and Community at HMIF Tech:** Manage competition informations and communities including Competitive Programming, Capture The Flag, Data Science, UI/UX, and Game Development
- Head of Competitive Programming:** Teach competitive programming to college students, manage competitive programming informations, and lead the competitive programming community

## PROGRAMMING SKILLS

- Languages:** C++, Java, Javascript, Python, Golang, SQL    **Technologies:** React, Express, Java Springboot