Muhammad Hasan

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EDUCATION

- **Institut Teknologi Bandung** — Bandung, Indonesia
  Bachelor of Informatics Engineering; GPA 3.80 — *Aug. 2018 – Oct. 2022 (expected)*

WORKING EXPERIENCE

- **AdaKerja** — Bogor, Indonesia
  Software Engineer Part Time — *May 2022 - Now*
  - Working as a Full Stack Engineer to develop various application used in AdaKerja
  - Tech stacks used: React, React Native, ExpressJs, Amazon Web Services

- **Mekari** — Jakarta, Indonesia
  Software Engineer Intern — *Feb 2022 - May 2022*
  - Worked as a Full Stack Engineer in Account and Launchpad Team that handles SSO (Single Sign On) in Mekari's various software
  - Implemented various RESTful API and unit tests
  - Developed various UI Changes in Account Mekari Website
  - Tech stacks used: Ruby on Rails, VueJs, Docker, OAuth2.0, Kong API Gateway, Apache Kafka, MailHog, Sentry, Postman

- **Traveloka** — Tangerang, Indonesia
  Backend Engineer Intern — *Aug 2021 - Jan 2022*
  - Worked on API testing to ensure the coverage of API used in Flight Team
  - Setting up services in Flight Team, so it can be run and tested locally
  - Migrating various modules from mono repository to it's own dedicated repository
  - Tech stacks used: Java, Karate Framework, Mountebank, Amazon Web Services, Terraform, Docker, Javascript, Postman

- **Sayurbox** — Jakarta, Indonesia
  Software Developer Engineer Intern — *May 2021 - Aug 2021*
  - Developed many various data and field additions on backend services
  - Adding and synchronizing data on different databases used in Sayurbox
  - Developed email notification for warehouses when an order is confirmed
  - Tech stacks used: Java Spring Boot, MySQL, NodeJs, ExpressJs, MongoDB, Jenkins

- **Pinhome** — Jakarta, Indonesia
  Software Engineer Intern — *January 2021 - March 2021*
  - Built a backend service for Content Management System (CMS) to deliver forum threads within the internal People
  - Worked with a team of interns and was proposed to be the Project Manager / Leader of the team
  - Tech stacks used: Golang, PostgreSQL, GORM, Docker, Kubernetes, Swagger

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.
- **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.
- **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
- **1st Winner IYCL Vol. 1**: IYCL (Indonesian Young Coder League) is a competition for young engineers to show off and prove their coding skills with others from around Indonesia
- **Ganesha Karsa Awardee 2021**: Ganesha Karsa is an award given by Institut Teknologi Bandung every year for getting national or international achievement representing ITB in the field of scientific or social community.
- **Candidate of ITB Informatics Best Student 2021**: Selected as one of the 7 students candidates from 150 students to be The Most Outstanding Student in ITB Informatics Engineering of Batch 2018
- **Top 10 in IEEEXtreme 15.0 - Ranked 9**: IEEEXtreme is a global challenge in which teams of student members compete in a 24-hour time span against each other to solve a set of programming problems.
- **Top 100 in IEEEXtreme 14.0 - Ranked 45**: IEEEXtreme is a global challenge in which teams of student members compete in a 24-hour time span against each other to solve a set of programming problems.
- **Top 15 in Shopee Code League 2021**: Shopee Code League 2021 is a 3-week coding challenge consisting of 3 coding competitions (data analytics, data science, and algorithms) open to all students and professionals across the region.
- **2nd Winner in Code Run 2021**: Code Run is the biggest open programming competition in Indonesia. Open to all Indonesian code activists without age, profession and education restrictions.

PROJECTS

- **Personal Website (mhasan01.com)**: My personal website is where I my put my information including activities, resume, and projects. Created with NextJs, Typescript, React, Framer Motion, and Tailwind CSS
- **Compete HMIF Tech Website (compete.hmif.tech)**: Compete HMIF Tech is a website to give Competition and Community info to the world, this website includes starting guide to compete in various competitions. Created with GatsbyJs, NextJs, Tailwind CSS, LaTeX, and Markdowns
- **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
- **Avatar Duel Game Card**: Avatar Duel Game Card is a card game application created with JavaFX. This game can be played by two people, each person has a card containing 3 types, namely land, character, and skill cards.

VOLUNTEER EXPERIENCES

- **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 ITB**: Teach competitive programming to ITB college students, manage competitive programming informations, and lead the competitive programming ITB community
- **Programming Laboratory Assistant**: Assisted various programming courses to Institut Teknologi Bandung Students.
- **Member of Tech Career Development**: Gather information and create a document on details of different career positions and Manage internship information to help HMIF ITB students
- **Problem Setter for Arkavidia CP**: Setting up problems, solutions, test cases, and editorials on Arkavidia Competitive Programming Event held by HMIF ITB

PROGRAMMING SKILLS

- **Languages**: C++, Python, Java, Javascript, Golang, Ruby, SQL

- **Technologies**: React, ExpressJs, Docker, Java Springboot, Ruby on Rails, VueJs, React Native