

# AZZAM LABIB HAKIM

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I have many experiences in various programming project in Fasilkom UI and I have been in internships as a front end engineer. With experience in Java Spring Boot, Python Django, Javascript, and React.js, I specialize in web development and software engineering. I also have experiences in using Python and SQL to analyze and process data. I have a passion for exploring new technologies, and open to any new opportunities in software engineering and data science field.

## Work Experiences

### Collega - Jakarta

Aug 2023 - Oct 2023

#### Front End Intern

Collega is a IT consultant specialized in banking. The company deliver client need with secure and high quality project for their banking system. For this project, I am working on Frontend for Collega Smartbranch Backend Application.

- Leveraging ReactJS, Javascript, Tailwind, and Daisy UI to develop all front end parts.
- Creating Login page with custom password masking and anti auto fill feature.
- Creating Dashboard page which shows realtime transaction data from API using chart.js.
- Refactor code to make current website more efficient on client side loading.
- Create dynamic menu utility and leveraging Redux Toolkit.

### Endavo - Jakarta, Indonesia

Jul 2022 - Oct 2022

#### Front End Intern

- Responsible to develop HRIS web application as one of the intern project provided by Endavo.
- Develop entire front end using React JS, Ant Design, Bootstrap, and Javascript-HTML-CSS.
- Responsible to connect the API back-end side with the front-end side, applying JWT token application and using postman.

## Education Level

### Universitas Indonesia - Depok, Indonesia

Aug 2020 - Sep 2024 (Expected)

#### Bachelor Degree in Computer Science, 3.57/4.00

- Teaching assistant of Design and Analysis of Algorithm (Aug-Dec 2023)
- Bangkit Academy by 2023 Machine Learning Cohort (Feb-July 2023)
- Teaching assistant of Design and Analysis of Algorithm (Feb-June 2023)
- Teaching assistant of Numerical Analysis (Feb-June 2022)
- Teaching assistant of Discrete Mathematics 2 (Feb-June 2022)
- Teaching assistant of Discrete Mathematics 1 (Sept-December 2021)

## Project

### SERCH - Simple search engine

Nov 2023 - Dec 2023

#### Information Retrieval Final Project

<https://serch-ir.onrender.com/>

- Developed a simple monolithic search engine, SERCH, as a final project in Information Retrieval.
- Utilized Python-Flask for back-end development and Tailwind for front-end design.
- Implemented advanced information retrieval systems, BM25 and K-Wand, to improve relevance ranking.

### Front End Intern Project - Frontend for Collega Smartbranch Backend Application - ReactJS, Tailwind

Aug 2023 - Present

#### Front End Intern

Collega is a IT consultant specialized in banking. The company deliver client need with secure and high quality project for their banking system. For this project, I currently working on Frontend for Collega-Bank NTT (Bank Nusa Tenggara Timur) Smartbranch Backend Application.

- Creating Login page with BasicOAuth 2.0 Authentication ready.
- Creating Dashboard page which shows realtime transaction data from API.

### Survei Utility Study Tracer for Iluni (Ikatan Alumni) Fasilkom UI - (Python Django, ReactJS)

Feb 2023 - Jun 2023

#### Software Engineering Project

- In a team of 6 people we continued the development of Ikatan Alumni Fasilkom UI Study Tracer website to enhance the survey utilities.
- Developing Frontend of Survey utility with React.js, CSS, and HTML.
- Developing Backend of Survey utility with Python Django, PostgreSQL, and using Postman to simulate API endpoint firing process.

## Linkedin Data Scraper - NodeJS

May 2023 - Jun 2023

### Bangkit 2023 Capstone Project

- Scraping over 300 people data such as name, location, skills, experiences, and educations for dataset engineering phase of Bangkit 2023 Capstone Project.
- Implement NodeJS with Puppeteer library for scraping data from client side.

## Afarys Assignment Tracker - (Java, Spring Boot, Javascript, JQuery Ajax, HTML, CSS)

Mar 2022 - Jun 2022

### Advanced Programming Course Final Project

- An app to organizing school assignment schedule and deadline for any students from school to university students.
- The app consist of two API's : Web dashboard and Line Bot. All API's are deployed with Heroku.
- Code the app from scratch with a team of four
- Implemented query to add assignment, course, and get assignment to databse.
- Implemented unit testing with JUnit and profiling with Prometheus and Grafana

## Database Course Final Project - (Python Django, Postgresql, HTML, Bootstrap)

May 2022 - Jun 2022

### Database Course Final Project

- Using PostgreSQL for implement data CRUD organization.
- Develop simple dashboard for view, create, edit, and delete data.
- Implement Python cursor for connecting SQL Database and backend.

## Simple Forum Website - (Elixir, ReactJS)

Nov 2022 - Dec 2022

### Functional Programming Final Project

- A forum website where user can post and comment on other user.
- Implement create, delete and update utility in backend side with Elixir.
- Implement delete utility in frontend side with React-Next.
- A two sprint of two-week project with a team of four.

## BizzVest - (Python, Django, JQuery, Ajax, HTML, Dart, Flutter)

Oct 2021 - Dec 2021

### Platform-Based Programming Final Project

- E-commerce app to make it easier for UMKM to sell and promote their product during a pandemic consist of web API and mobile (android) API.
- Implement searching of product with Django filter, HTML and CSS templates and JQuery for responsive website.
- Implement searching of product with Dart Flutter and Implement async programming for it.
- A two sprint of two-week project with a team of seven.

## Skills, Achievements & Other Experience

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- **Achievements** (2023): Finalist International Collegiate Programming Contest (ICPC) Asia Jakarta 2023
- **Achievements** (2022): Gold Medallist of ONMIPA (Olimpiade Nasional Matematika dan Ilmu Pengetahuan Alam) Matematika 2022 Issued by Kemenristekdikti
- **Achievements** (2023): Top 40 Indonesia National Contest (INC) 2023 - National Collegiate Programming Contest held by Binus University
- **Achievements** (2019): National Bronze Medallist in OSN (Olimpiade Sains Nasional) in mathematics 2019
- **Other Experience** (2021): Teaching Python for DDP0 (pre first semester basic programming volunteer program for new students of Fasilkom UI)
- **Other Experience** (2022): Teaching basic C++ and logic for OSK (Olimpiade Sains tingkat Kota) Informatika in Training Center
- **Hard Skills** (2022): Capable of using Java with Spring boot , Python and Django, NodeJS, Javascript, HTML, CSS, ReactJS, NextJS, Tailwind and PostgreSQL, Pandas, Scikit learn, Tensorflow. Have been recently programming in Golang, Haskell, and Elixir. Experienced with GIT
- **Organizations** (2023): SIMAKARA (An online cram school founded by an FEB UI student)
- **Japanese Language Proficiency Test - N5 Level** 🇯🇵 (2022): Passed JLPT N5 with score 111/180.