

RAYHANS NAJIB AL FARUQ

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SUMMARY

Bachelor of Electrical Engineering. Have a high interest in the field of Software Engineering (Frontend engineer, Backend Engineer or Fullstack Engineer) or the Electrical field. Has attended a bootcamp from Eduwork by taking the programmer full-stack MERN (MongoDB, Express.js, React.js and Node.js) class and can build frontend and backend well. At Eduwork, once created an e-commerce product specifically for coffee for coffee shops. Now open to pursue a career in the Software Engineer or Electrical field.

WORK EXPERIENCE

PT. Visi Global Teknologi

Tanah Bumbu

Software Operation Support - Fulltime

Nov 2024 – Present

- Working at Weigh In Motion (WIM) at the site of PT. Borneo Indobara Angsana, Tanah Bumbu, South Kalimantan.
- Developed a fullstack application using JavaScript with React.js for the frontend and Express.js for the backend. Styled using Tailwind CSS, built with Vite, and data was stored in MariaDB and managed using HeidiSQL for a transaction tracking application based on vehicle weight from the Weigh in Motion (WIM) system, enabling real-time monitoring and historical transaction review for a coal mining client.
- Performed system data analysis using the HeidiSQL application on a MariaDB database.
- Explaining to the client if there is an anomaly in the historical transaction review by looking at the CCTV and script log RFID reading and log system.

PT. Inti Surya Laboratorium

Tangerang

Programmer Staff - Intern

Sep 2024 – Oct 2024

- Building a web submenu landing page is in charge of creating a submenu landing page so that staff can use it according to their respective positions at the time of release. In this process, WinSCP is used to ensure that the values retrieved for the front-end are correct. The backend uses PHP to process the data while the frontend's job is to retrieve and equalize the data so that it can be stored correctly in the database.
- The technology used on the frontend uses a combination of technologies such as HTML, CSS, Bootstrap, JavaScript, React.js, and jQuery AJAX to handle the display and user interaction. Data is stored in phpMyAdmin which is already connected to the database.
- Frontend collaboration in addition to building the front end interface must be used to collaborate between React.js and jQuery AJAX to handle HTTP requests and work with HTML and jQuery AJAX in executing HTTP request methods. For styling use CSS and Bootstrap.

Eduwork**Pontianak***Programmer Fullstack MERN Intern - Internship**Mar 2023 – Mar 2024*

- Had created the JavaScript programming language and used frameworks such as Node.js and Express.js. They were also familiar with databases, both relational like MySQL and non-relational like MongoDB.
- In managing application security, students created authentication techniques using the hashing/bcrypt method. To develop the client side (frontend), they used HTML5, CSS, and JavaScript to create attractive and responsive interfaces. Additionally, students created how to manage the server side (backend) using tools such as Github, Insomnia, or Postman.
- For the final project, we were required to create a simple website. Be it frontend, backend, or fullstack. We have to be creative ourselves in making this simple website.
- For the backend, database management can be done using relational ones such as MySQL or non-relational ones such as MongoDB. For the frontend, we are free to use styling from CSS, Bootstrap, TailwindCSS, MaterialUI, ChakraUI, Framer, or SASS.

PT. PLN (Persero) ULP Mempawah**Mempawah***College Program Intern - Internship**Jul 2019 – Aug 2019*

- Helped replace broken Medium Voltage Network poles. This restored the electricity network to its original state and prevented future disturbances. The replacement of damaged poles was done manually and carried out as a team.
- Replaced overloaded transformers. This ensured the transformers functioned properly and prevented future damage. Replacing damaged transformers was done manually using a pulley, and it was carried out as a team.
- Helped clear tree branches that fall on Medium Voltage Network cables. If a tree branch is touched by a Medium Voltage Network cable, a short circuit will occur which will result in the cable catching fire. Pruning tree branches using a sickle and done as a team.
- Performed Thermocam (Temperature checks on Insulators, Cable, Fuse Cut Out, Lighting Arrester, Substations, Transformers, Ground and components on the PHB panel) at PT. PLN (Persero) ULP Rayon Mempawah. A thermocam is carried out to determine the temperature so that excessive temperatures do not occur which result in damage to the components. Temperature checks are carried out using a Thermocam.
- Analyzed plans for installing insert transformers on the Medium Voltage Network. Inserting transformers is carried out to maintain the performance of the transformer so that there is no voltage drop in the transformer. Transformer insertion is usually done by replacing the transformer and increasing the voltage so that the voltage requirements are met.

Badan Keuangan Daerah Kota Pontianak**Pontianak***Surveyor - Contract**Sep 2018 – Dec 2018*

- Carry out data collection on rural and urban land and building tax objects in Bansir Darat Village, Southeast Pontianak District. To find out if there are any additions to the house. Later the data collection results will be recorded using the existing format.
- Prepare report documents related to data collection activities for rural and urban land and building tax objects according to a predetermined format. So that it can later be recorded again and data back at the office.

- Input the data that has been recorded using the ArcGIS application to update the house building.
- Submit activity reports to the head of the Badan Keuangan Daerah Kota Pontianak. So that you can find out which buildings have undergone changes.

PT. Kaibon Rasirekayasa

Pontianak

Verifier - Contract

Aug 2017 – Dec 2017

- Carry out data entry and verification of refill data on 3 Kg LPG consumers. To ensure whether it has been distributed properly.
- Process and analyze samples to see whether the data in the field matches the data recorded by consumers.
- Prepare documents which will then be sent and reported to the Directorate General of Oil and Gas, Ministry of Energy and Mineral Resources.

CERTIFICATION & BOOTCAMP

PT. Borneo Indobara

Pontianak, (Online, ID)

Awareness Keselamatan Listrik

Mar 2025 – Mar 2026


- ID Kredensial : BIB/STC/SMKP/PPF/2025-III-0750
-  Sertifikat Awareness Keselamatan Listrik.pdf

Eduwork

Pontianak, (Online, ID)

Programmer Fullstack MERN

Mar 2023 – Mar 2024

- At Eduwork, I took the Programmer Fullstack MERN (MongoDB, Express.js, React.js and Node.js) class.
- Students will learn the JavaScript programming language, using platforms such as Node.js (3 months) and using frameworks such as React.js (6 months) and Express.js (4 months).
- Students can use databases, both relational such as MySQL (3 month) and non-relational such as MongoDB (6 month). In managing application security, students also learn authentication techniques using the hashing/bcrypt method.
- Students can organize, store and manage data in database web applications using XAMPP and MySQL relational database management system (RDBMS).
- To develop the client side (front-end), using HTML5, CSS, JavaScript (3 month) and React.js to create attractive and responsive interfaces.
- Students also learn how to manage the server side (back-end) using tools such as Github (1 month), to manage APIs using Insomnia and Postman (1 month).
-  Sertifikat Eduwork.pdf


Kelas Drafter

Pontianak, (Online, ID)

Autocad Professional Class

Sep 2022 – Sep 2022

- In the Autocad Professional Class, students are taught to use the Autocad and SketchUp applications from zero to advanced. Student are also given a final project assignment in the form of making a floor plan for an existing reference house.
- Where later students will receive an assignment in the form of a house plan for the 1st and 2nd floors.

- During the 16 days of learning, every day there will be learning via Zoom which is also very effective to use.
- Evaluation given by the Kelas Drafter makes students aware of the mistakes they have made to improve in the future.
- Kelas Drafter also teaches exporting 3D images from SketchUp to AutoCAD and provides material in the form of exterior modeling which is useful for students learning autodidactically.
-  [Sertifikat Kelas Drafter.pdf](#)

EDUCATION

University of Tanjungpura

Pontianak

Bachelor Degree - Electrical Engineering

Aug 2016 – Jul 2021

GPA 3.23

- Majored in electrical engineering during college with a concentration in Strong Current. My thesis discusses the Analysis of Installation Plans for Insert Distribution Transformers in the 20 KV Medium Voltage Network at the Kijing Feeder.
- Using the MATLAB application to find out whether the Kijing feeder experiences a decrease or increase in voltage after adding an insert transformer at low voltage.
- If there is a voltage drop, the 25 KV distribution transformer will be replaced with a 50 KV one.
- Research : Analisis Rencana Pemasangan Transformator Distribusi Sisipan Pada Jaringan Tegangan Menengah 20 KV Di Penyulang Kijing. ([Research](#))
- Organization : Electrical Student Association - Members of the public relations and advocacy team (Dec 2019 - Jun 2020). Drafted a letter inviting the head of the company to collaborate. They also prepared a separate letter for the security guard to forward to the person they intended to reach.
- Freelance : Assistant lecturer (Jun 2022 - Nov 2023) in charge of making practicum modules: Installation Techniques, Electrotechnical Drawings and Artificial Lighting Techniques. Making textbooks: Measurement of power systems. Helping students in writing their thesis. Supervise students in midterm or final semester exams.

SKILLS, INTERESTS, & LANGUAGES

Technical Skills : HTML | CSS | Javascript | React | Github | Express | Node.js | Postman | Insomnia | MongoDB | SASS | Tailwind CSS | Axios

Soft Skills : Analysis | Teamwork | Problem Solving | Enthusiasm

Interests : Back-end Engineer | Front-end Engineer | Fullstack Engineer | Software Engineer | Electrical Engineer

Language : Bahasa indonesia (Native) | Bahasa Melayu (Proficient) | Bahasa Inggris (Beginner)

PROJECTS

Insight Coffee

Aug 2023 - April 2024

Details : Insight Coffee was an e-commerce platform that aimed to help customers view products, order, and enjoy the coffee of their own choice. Visitors could feel a comfortable atmosphere when they wanted to enjoy coffee at Insight Coffee, both through dine-in and take-away services.

Tools : HTML5, Javascript, CSS, Express.js, Node.js, Postman, Insomnia, SASS, React.js, MongoDB, Axios, React router

Link : [Client Side](#) | [Server Side](#)

Demo : -

Movies Studio

May 2024

Details : Movies Studio was a web application that allowed users to view a list of trending films and TV series, both today and this week. In Movies Studio, users could watch the latest trailers, know the cast information and get complete details about their favorite movies or TV series. To mark a movie or TV series into a personal watch list, users needed to log in first.

Tools : Node.js, React.js, React router, Axios, Javascript, Vite, Firebase, Chakra UI, Framer

Link : [Github Movies Studio](#)

Demo : [Link Demo Movies Studio](#)

Instay

June 2024

Details : InStay was an innovative platform that connected people looking to rent out their property with people looking for temporary accommodation. We enabled users to register, search, and book various types of accommodation ranging from private rooms, apartments, houses, and villas. With InStay, you could find a variety of accommodation options that met all your wants and needs.

Tools : CSS, VITE, TailwindCSS, PostCSS, Autoprefixer, Javascript, Express.js, Node.js, React.js, React router, Axios, MongoDB, Material Design Icons

Link : [Github Instay](#)

Demo : -

Weathero

June 2024

Details : Weathero was a weather app platform that functioned to see the weather forecast for today and the next 5 days.

Tools : HTML, CSS, Javascript

Link : [Github Weathero](#)

Demo : [Link Demo Weathero](#)

Pokemon

June 2024

Details : Pokémon Project was an application that allowed users to search, compare, and view Pokémon details (including descriptions, evolutions, capture locations, and Pokémon abilities and moves). The My List feature allowed users to log in with their Google accounts to save their

favorite Pokémon to a personal list. The app was designed to provide an informative and easy-to-use experience for Pokémon fans.

Tools : Node.js, Axios, Firebase, SASS, React.ts, Typescript, React router

Link : [Github Pokemon](#)

Demo : [Link Demo Pokemon](#)

REFERENCE

Name : Muhammad Zakuan

Company : Eduwork

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