

Veda Bezaleel

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Passionate about web development, from crafting intuitive UIs to building scalable backend systems. Experienced in JavaScript, Next.js, and Prisma, with a strong interest in AI, cloud computing, and cybersecurity. Possessing strong problem-solving and analytical skills, along with computational thinking, I pay keen attention to detail and adapt quickly in fast-changing tech environments. I continuously explore emerging technologies to improve performance, security, and user experience.

Educations

Universitas Negeri Semarang - Semarang, Indonesia

Bachelor Degree in Informatics Engineering, 3.74/4.00 Aug 2021 - Present

- Relevant Courses: Algorithms and Programming, Logic of Informatics, Operating Systems, Human and Computer Interaction, Computer Architecture and Organization, Computer Networks, Database Systems, Data Structures, Language Theory and Automata, Algorithmic Analysis..

SMA Negeri 1 Bae - Kudus, Indonesia

Department of Mathematics and Natural Sciences Jul 2018 - May 2021

- Extracurricular informatics: learn hypertext markup language, cascading style sheets, and php programming language.

Organization Experiences

Core Team Google Developer Student Club Universitas Negeri Semarang

Staff of Event Organizer Aug 2023 – Jul 2024

- Contribute and responsible for organizing events such as Info Session, Study Jam, and webinars for members.
- Speaker for Backend studyjam, explaining database basic insight and implementation for api using query builder and ORM.
- Contributing to the laravel training event with PTI Unnes.
- Volunteers helping out at GDG Semarang's DevFest 2023, Google I/O 2024, DevFest 2024 event. Prepare meals for participants, organizers, and speakers. As well as contributing to the smooth running of the event.

Informatis Research and Creative Technology (I-SECRET)

Staff of programming division Feb 2023 – Feb 2024

- Contribution assist in internal training routines

Robotic Student Club

head of mechanical staff of KRSRI division Dec 2022 – Dec 2023

- Contribution in designing robot for krsri 2022 contest

Mechanical research team of KRSRI division Jan 2022 - Dec 2022

- Robot Development Main Team for Indonesian Robot Contest 2023 KRSRI Division

Work Experiences

PT. Global Data Inspirasi

Internship project based realtime monitoring of lora-based light control Aug 2023 – Feb 2024

- Successfully resolved a critical data discrepancy between IoT devices and web applications—an issue left unresolved by previous developers—by implementing a robust software solution using WebSocket and MQTT pub/sub protocols.
- Designed and developed a RESTful API using Flask, integrating it with the Antares platform via MQTT pub/sub protocol for real-time data communication.
- Created a web-based monitoring interface that provided real-time system insights, thereby increasing user engagement.

Freelance Frontend Developer

Oct 2024 – Present

- Executed slicing of UI design components into high-fidelity, responsive ReactJS elements, ensuring optimal performance and pixel-perfect accuracy.
- Integrated API data seamlessly while collaborating with backend developers and design teams to implement new features, enhancing overall system efficiency and user engagement.

PT Telekomunikasi Seluler

Internship Software Developer

Feb 2024 – Jun 2024

- Successfully developed a session-based login feature that enhanced user authentication and security.
- Overcame legacy system limitations by implementing a daily in-memory cronjob, accelerating KPI data retrieval and boosting overall system efficiency.
- Served as Scrum Master, coordinating team activities and managing feature implementation timelines independently of the Project Manager.
- Collaborated with stakeholders to design and implement analytical dashboards that provided actionable insights for the network and operations division.
- Engineered a server-side component for handling database queries, ensuring seamless integration with the NextJS client interface.
- Streamlined the project architecture by effectively organizing server and client components within the NextJS framework, which improved code maintainability.
- Enhanced user experience by customizing diagram presentations to achieve clearer data visualization.
- Supported data processing tasks by automating the extraction from Excel and inserting data into a MySQL database using Python.

Nine Dragon Labs

Freelance project based perigigi web

Dec 2023 – Jan 2024

- Enhanced an existing project by developing and integrating new features.
- Developed and implemented payment pages using React and Bootstrap components to streamline the transaction process.
- Implemented a PDF invoice generation module to automate invoice creation and improve user experience.
- Collaborated with software house developers to ensure feature enhancements aligned with client requirements, while securely contributing to the private repository via SSH key.

Other Experiences

- **Remosto project:** Developed a Next.js and Tailwind CSS web application with dynamic map integration and AI-driven recommendation features based on computer vision. Designed and implemented RESTful APIs to fetch and serve real-time data from the server, including endpoints for AI-based item recommendations. Collaborated with backend teams to ensure seamless API integration and conducted end-to-end frontend testing using Cypress to validate UI functionality across multiple devices.
- **Sparka project:** Built a Smart Parking System using Next.js, featuring role-specific interfaces for users, admins, and operators. Managed backend development with Lumen PHP to handle parking reservations, database operations, and real-time updates. Communicate with IoT and AI engineer to planning the system architecture. Deployed the application on Google Cloud Platform (GCP) using Docker containers and Cloud Run, ensuring reliable performance and scalability. Collaborated with UI/UX teams to design intuitive user workflows.
- **PPAM Kes project:** Developed a RESTful API using Fastify and PostgreSQL for a client-driven survey platform. Migrated legacy Excel-based data to a relational database and designed secure endpoints to meet client requirements. Collaborated with frontend developers to align API responses with UI/UX mockups and deployed the system on a VPS configured with Nginx and SSL. Focused on optimizing performance and ensuring data security through encryption protocols.

Certifications

- **Dicoding, Membuat Aplikasi Backend Pemula dengan Google Cloud (2022):** Online Course ([Certificate](#))
- **Introduction to Prompt Engineering for Generative AI:** Online Course ([Certificate](#))
- **The OWASP API Security Top 10: An Overview:** Online Course ([Certificate](#))
- **Google Cloud Computing Foundations: Cloud Computing Fundamentals:** Online Course ([Certificate](#))
- **Cloud Practitioner Essentials (Belajar Dasar AWS Cloud):**Online Course ([Certificate](#))
- **Belajar NodeJS dari pemula sampai mahir disertai studi kasus:** Online Course ([Certificate](#))

Skills

- **Programming Languages:** Typescript, PHP, Python, Go
- **Softskill:** Computational Thinking, Problem Solving, *Effective Cross-Functional Communication*, Adaptability, *Interteam Conflict Resolution*, Time Management
- **Language:** Indonesia, English, Javanese