

HAFIZ ARYAN SIREGAR

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Final-year student specializing in Web Development with 2 years of experience in building information systems and implementing testing solutions. Skilled in designing effective test cases, creating detailed technical reports, and ensuring high software quality. Graduated from Bangkit Academy 2024 Batch 2, contributing technical expertise and knowledge-sharing within the developer community. Committed to improving software quality through advanced testing methodologies and staying updated with emerging technologies.

Education

State Islamic University of Sultan Syarif Kasim Riau – Pekanbaru, Riau Sep 2021 - Present
Bachelor's degree, Information System, 3.85/4.00

- Related courses: Algoritma and Programming, Management of Database, Analysis and Design Information System, Software Engineering, Testing and Implementation of Information System.

Experience

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka – [Certificate](#) Aug 2024 – Jan 2025
Cloud Computing

- Selected as a Cloud Computing Cohort in a prestigious industry-leading program, gaining comprehensive expertise in Google Cloud technologies including App Engine, Kubernetes, Compute Engine, and Cloud Run.
- Demonstrated leadership in project management, coordinating efforts across multiple technical domains including cloud computing, machine learning, and mobile development.

Computer Laboratory of Information System UIN Suska Riau – Pekanbaru, Riau Mar – Nov 2023
Lead of Developer Team (Full Stack Developer)

- Led the full-stack development of an Inventory Information System using PHP and CodeIgniter 4 Framework, successfully streamlining laboratory equipment management and tracking, which resulted in improved operational efficiency and data accuracy.
- Enhanced organizational decision-making by conducting advanced data analysis on laboratory equipment system reports, generating actionable insights that optimized resource allocation and operational efficiency.

Projects

Integrated Laboratory Management Information System (ILMIS) Aug 2024 – Present
Full Stack Developer

- Serving as a Full Stack Developer for the **Integrated Laboratory Management Information System (ILMIS)**, leading the enhancement and **integration of existing systems** derived from SITARIS.
- Currently improving the previous system by **adding advanced laboratory scheduling features** and optimizing the user interface for better usability.
- **Developing a Single Sign-On (SSO)** mechanism to integrate multiple information systems, including **Labvis** (<https://labvis.lab-si.uin-suska.ac.id>) and **Laris** (<https://laris.lab-si.uin-suska.ac.id>), streamlining user access across all platforms into a unified system.

Dermatological AI System for Your Skin (Daisy) – [Github Repository](#) Oct 2024 – Jan 2025
Project Leader

- **Led a cross-functional team of 6 people** in developing an AI-powered dermatological diagnostic system, identifying skin conditions such as tinea versicolor and ringworm.
- **Architected and implemented critical backend infrastructure**, including secure authentication APIs (login, register, reset-password, logout) using Node.js, deployed on Firebase and Google Cloud Run.
- Collaborated with Machine Learning team to train and test models with a **high accuracy rate of 74%**.
- Integrated the system into a **mobile application**, creating an intuitive user interface for enhanced accessibility.

Sistem Informasi Inventaris Laboratorium (SITARIS) – [View Website](#) Mar – Nov 2023
Full Stack Developer

- **Designed and developed** a comprehensive laboratory inventory management system leveraging **CodeIgniter 4, PHP 8, and MariaDB**, ensuring a scalable and efficient framework for managing laboratory assets.
- **Implemented advanced features** such as **detailed audit logging, rapid equipment search, and borrowing/maintenance tracking**, significantly improving operational transparency and user efficiency.

Organization

Google Developer Student Clubs – UIN Suska Riau

Oct 2023 – Oct 2024

Developer and Speaker

- Developed and implemented a comprehensive learning curriculum and schedules, resulting in a 30% increase in student participation throughout the program.
- Organized 5+ technical workshops and webinars, boosting attendee engagement by 25% and improving overall knowledge retention on key subjects.
- Focused on delivering hands-on content in Machine Learning, Mobile App Development, Cloud Computing, and Web Development, contributing to a 40% rise in student project completions in these areas.

HIMA Program Studi Sistem Informasi – Science and Technology, UIN Suska Riau

May 2023 – Jan 2024

Head of Education, Research, and Technology Division

- Spearheaded the Research and Technology Division within the Information Systems Student Association at UIN Suska Riau, driving impactful collaborations with external organizations on key technology topics.
- Streamlined team roles and responsibilities, enhancing overall productivity and ensuring seamless operational efficiency.
- Partnered with the media team to strategically craft and curate engaging content for the association's social media, boosting online presence and audience engagement.

Committee

Chief Executive – Forum Ta'aruf Sistem Informasi (FORTASI)

Sep – Oct 2022

- Led comprehensive event planning and execution for the Information Systems orientation program, successfully coordinating a 50+ person committee across five strategic divisions.
- Developed and implemented a structured event management approach, ensuring 100% alignment with programmatic objectives and enhancing new student integration.
- Demonstrated leadership by creating comprehensive operational strategies, managing team dynamics, and delivering a seamless orientation experience.

Volunteer

ICT Exchange Programme – UIN Suska Riau x International Islamic University of Malaysia

Nov – Dec 2023

- Facilitated cross-cultural academic collaboration between Indonesian and Malaysian students through a comprehensive 3-day Information and Communication Technology exchange program.
- as a campus tour guide, showcasing key institutional facilities including classrooms, computer laboratories, and administrative offices at UIN Suska Riau.
- Participated in community development initiative by conducting a seminar on village information system implementation, focusing on digitizing administrative document management for local communities.
- Acted as a cultural ambassador, introducing Malaysian participants to traditional Indonesian cuisine and cultural practices.

Entrepreneurship Seminar – Collaboration Facultys Related with Entrepreneur Course

Nov – Dec 2022

- Increasing the participation of seminar participants to more than 400+ people in holding large-scale seminars.
- Ensure the smooth running of the Entrepreneurship Seminar by coordinating and providing complete equipment.
- Ensure the smooth running of the event by ensuring the availability of equipment and materials according to needs.

Certification

- **Menjadi Google Cloud Engineer** (Dicoding, Nov 2024) - [View Credentials](#)
- **Belajar Membuat Aplikasi Back-End untuk Pemula dengan Google Cloud** (Dicoding, Nov 2024) - [View Credentials](#)
- **Google Cloud Computing Foundations Certificate** (Google Cloud Skills Boost, Oct 2024) - [View Credentials](#)
- **HTML, JavaScript, & Bootstrap Certification** (Udemy, Oct 2022) - [View Credentials](#)

Technical Skills

- **Programming Languages:** PHP, Javascript, Python
- **Web Technologies:** HTML5, CSS3, Bootstrap 4
- **Frameworks:** CodeIgniter 4, Laravel, Node.js
- **Databases:** MySQL
- **Tools:** Figma, Visual Studio Code, Astah, Github, Netlify
- **Cloud Platforms:** Google Cloud

Language, Interests and Others

- **Language:** English (Intermediate)
- **Interests:** Web Development and Software Testing
- **Another skill:** Organizational skills, leadership, detail oriented, resilient, analytical thinking, public speaking