

## Contact

082133164875 (Mobile)  
rayhanzahwans1@gmail.com

[www.linkedin.com/in/rayhan-zahwan-saleh](http://www.linkedin.com/in/rayhan-zahwan-saleh) (LinkedIn)

## Top Skills

Business Logic

Express.js

Public Speaking

# Rayhan Zahwan Saleh

Full-Stack Web Developer | IoT Developer | Cybersecurity Expert | AI  
Researcher: Unlocking the Potential of Technology  
Sidoarjo, East Java, Indonesia

## Summary

I am Rayhan Zahwan Saleh, a technology engineer with a strong passion for Cyber Security. Since 2019, I have been actively studying and exploring various aspects of the field, including Pentesting, CTF (Capture the Flag), Bug Fixing, and web development. Additionally, I have been dedicating time to learning and developing AI, with the goal of creating tools that simplify tasks for users and fellow developers.

Integrity and exceptional work quality are fundamental principles that guide my professional journey. With a strong work ethic and a commitment to excellence, I approach every project with determination and strive to deliver outstanding results. I am eager to contribute my skills and knowledge to future endeavors, leveraging my experiences to strengthen collaborative teams and achieve shared goals.

My focus lies in pursuing a career as a cybersecurity professional and web developer, where I can apply my expertise and make valuable contributions. I am excited about the prospect of utilizing my skills in these fields to create innovative solutions and drive positive impact. Thank you for considering my profile, and I am looking forward to the opportunity to contribute to the success of your team.

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## Experience

Looyal Indonesia

Back End Developer

June 2023 - Present (1 year 8 months)

Kota Surabaya, East Java, Indonesia

I am thrilled to have been recruited into the team at PT Looyal Indonesia, where I am actively involved in a project that revolves around the application of Artificial Intelligence (AI). With the rapid advancement of AI technology,

there is immense potential for it to simplify and optimize various tasks and processes.

The project I am working on aims to harness the power of AI to enhance productivity and efficiency in different domains. By leveraging machine learning algorithms and data analytics, we strive to develop intelligent systems that can automate repetitive tasks, provide valuable insights, and streamline decision-making processes. This project presents an exciting opportunity to contribute to the forefront of AI development and witness firsthand how it can revolutionize the way we work.

I am truly passionate about exploring the capabilities of AI and its potential to transform industries. Being part of PT Looyal Indonesia's team allows me to collaborate with like-minded individuals who share the same enthusiasm for innovation. I am eager to contribute my skills and knowledge to this project, and I am confident that our collective efforts will result in impactful solutions that not only simplify work processes but also drive sustainable growth for the company.

**Surya Indah Mobil Pamekasan**  
**Fullstack Web Developer**  
January 2023 - May 2023 (5 months)  
Pamekasan, East Java, Indonesia

I developed a System Information and Point of Sale (POS) website project for Surya Indah Mobil, an automotive workshop company in Pamekasan. Using Laravel as a full-stack solution, along with JavaScript and Ajax, I created a centralized system for inventory management, customer records, and employee information. The POS functionality facilitated seamless transactions and improved customer service. Through close collaboration with the company, I ensured the website met their specific requirements and business needs.

The project involved developing a comprehensive website for Surya Indah Mobil's operations. I utilized Laravel, JavaScript, and Ajax to create a System Information and POS system. The website streamlined inventory management, customer records, and employee information. The POS functionality enhanced transactions and customer service. Regular communication with Surya Indah Mobil ensured the website aligned with their specific needs.

For Surya Indah Mobil, I created a System Information and POS website using Laravel, JavaScript, and Ajax. The website centralized inventory management, customer records, and employee information. The POS system facilitated seamless transactions. Through ongoing collaboration, I ensured the website met the company's requirements and improved their operations and customer service.

## Institut Teknologi Telkom Surabaya

3 years 9 months

### Assistant Software Engineer

June 2019 - February 2023 (3 years 9 months)

Kota Surabaya, East Java, Indonesia

From June 2019 to February 2023, I had the opportunity to work as a Lecturer's Assistant at IT Telkom Surabaya. During this time, I contributed to various roles within the field of computer science, including Structure Data Algorithm, Web Development, Desktop Development, and Android Development.

As a Lecturer's Assistant, I provided support in teaching the Structure Data Algorithm course, assisting students in understanding concepts and techniques related to data structures and algorithms.

Additionally, I gained experience as a Web Developer, where I participated in designing, implementing, and maintaining web-based applications. I utilized HTML, CSS, JavaScript, and relevant frameworks to create user-friendly web interfaces.

Furthermore, I expanded my skill set as a Desktop Developer, focusing on developing desktop applications using programming languages like Java, C#, or Python.

Lastly, I worked as an Android Developer, developing interactive and feature-rich Android applications using Java or Kotlin programming languages.

Throughout my time at IT Telkom Surabaya, I gained valuable hands-on experience, enhanced my technical skills, and deepened my understanding of software development principles.

Overall, my experience as a Lecturer's Assistant and Developer at IT Telkom Surabaya allowed me to contribute to the academic community, strengthen

my expertise in various fields, and foster my passion for technology and innovation.

#### Founder

October 2020 - May 2022 (1 year 8 months)

Kota Surabaya, East Java, Indonesia

I am the founder of Cycology, a cyber security UKM (Unit Kegiatan Mahasiswa) based in IT Telkom Surabaya. Our organization is dedicated to various aspects of cyber security, including CTF (Capture the Flag) competitions, network security, defense strategies, and offensive techniques.

At Cycology, we strive to enhance cyber security awareness and knowledge among our members and the broader community. Through engaging activities, workshops, and training sessions, we aim to develop practical skills in areas such as ethical hacking, vulnerability assessment, and incident response.

To provide a platform for sharing information and resources, we have established our website at <https://cycologyittelkomsurabaya.com>. Through this website, visitors can learn more about our organization, explore our services, and stay updated on the latest developments in the field of cyber security.

As the founder of Cycology, I am dedicated to fostering a strong cyber security community, promoting ethical practices, and empowering individuals to defend against cyber threats. I invite you to visit our website and join us in our mission to create a safer and more secure digital environment.

#### Drone Automation Developer

March 2020 - October 2020 (8 months)

Surabaya, East Java, Indonesia

The Dananjaya team, representing IT Telkom Surabaya, participated in the Indonesian Flying Robot Contest (KRTI) held in 2020 by the Ministry of Education and Culture's National Achievement Center. They competed in the Technology Development (TD) Flight Controller (TDF) division.

Comprising a talented group of individuals, the Dananjaya team consisted of Ahmad Habibi, Rio Armando, Bagus Setiawan, Rayhan Zahwan Saleh, Bryan Pratama Putra, and Sherli Kumala Dewi. Each member brought their unique skills and expertise to the team, contributing to their success in the competition.

The team spent a significant amount of time preparing for the contest, dedicating themselves to developing innovative robotic technology. Their focus was on creating an efficient flight control system using the TDF platform. Through their hard work and dedication, they were able to showcase their abilities and qualify for the second stage of the KRTI.

Their achievement as a finalist in the KRTI highlights their strong problem-solving skills, technical knowledge, and teamwork. It demonstrates their ability to develop and implement practical solutions in the field of robotics. The Dananjaya team's participation in the competition not only provided them with valuable experience but also showcased ITTelkom Surabaya's commitment to fostering technological advancements and nurturing talent in the field of robotics.

Overall, the Dananjaya team's journey in the KRTI is a testament to their passion for robotics and their dedication to pushing the boundaries of technological innovation.

## PT PERKEBUNAN NUSANTARA XII

Full Stack Developer

March 2022 - September 2022 (7 months)

Surabaya, East Java, Indonesia

During my internship at PTPN XII, a state-owned enterprise, I focused on developing a web module for Android that was built upon an information system and utilized API breaching techniques. The main purpose of this module was to enhance the functionality of an Android application being created by the internship team. Our goal was to support the annual Tebang Muat Angkut (TMA) activity, which involves logging, loading, and transporting goods or resources.

Throughout the internship, I collaborated closely with my team to design and implement the web module. We ensured its compatibility with the existing infrastructure and met the project requirements. The development process involved incorporating advanced technologies to establish secure communication channels between the Android application and the web module.

My focus was on optimizing the user experience by creating intuitive interfaces, efficient data retrieval, and real-time updates. By leveraging the capabilities of the Android platform, we aimed to provide a seamless and

responsive application that empowered users to effectively navigate and utilize the web module's features.

Overall, my internship experience at PTPN XII allowed me to gain valuable practical skills in software development and information systems. I acquired insights into the challenges of working on a real-world project within a professional setting. Through my contributions to the development of the web module, I enhanced my technical abilities, learned effective teamwork, and contributed to the successful implementation of a solution that supported the annual TMA activity within the company.

### PT Jasa Marga (Persero) Tbk

#### Cyber Security Analyst

April 2022 - April 2022 (1 month)

Surabaya, East Java, Indonesia

I have recently obtained a client from Developer Jasa Marga, who has requested my expertise in analyzing the vulnerabilities and performing penetration testing on their website before it is uploaded to the hosting server. As a cybersecurity professional, I understand the critical importance of ensuring the security and integrity of web applications.

In this project, my role involves conducting a thorough assessment of the website's security measures, identifying potential weaknesses or vulnerabilities, and simulating real-world attacks to assess the system's resilience. By leveraging various tools and techniques, I will evaluate the website's security posture and provide comprehensive reports and recommendations to mitigate any identified risks.

Working closely with the Developer Jasa Marga team, I will collaborate to implement necessary security enhancements and ensure that their website meets the highest standards of security before being deployed to the hosting environment. This project emphasizes the significance of proactive security measures and aligns with my commitment to safeguarding digital assets and ensuring a robust online presence for clients.

### Red Team Hacker Academy

#### Penetration Tester

December 2021 - December 2021 (1 month)

Kerala, India

During that time, I discovered a highly critical bug while accessing a hacker academy website that I was eager to explore and learn from. Upon my investigation, I found numerous vulnerabilities that prompted me to delve deeper and exploit them further. Recognizing the significance of this bug, I made the responsible decision to report it to the website's developers.

By identifying and exploiting the vulnerabilities, I gained valuable insights into the potential risks and security loopholes present in the website's infrastructure. Understanding the importance of responsible disclosure, I promptly reported my findings to the developers, providing them with a detailed account of the bug and suggested remedial measures.

This experience highlights my proactive approach to cybersecurity and my commitment to promoting a secure online environment. It also underscores my dedication to ethical hacking practices and responsible reporting of vulnerabilities. Through such actions, I strive to contribute to the improvement of web security and protect users from potential threats.

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## Education

Institut Teknologi Telkom

Bachelor of Informatics Engineering - B.I.E., information system · (2019 - 2023)