

# ZAKY SYAH ALAM

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Taman Royal 3 Akasia 2 Blok AS 14/8, Tangerang

A Quality Assurance enthusiast with a strong background in Robotics and Artificial Intelligence Engineering, I am a dedicated and detail-oriented person committed to ensuring the quality and reliability of digital products. My strong passion in manual and automated testing is the driving force behind my desire to step into the world of Quality Assurance.

## Work Experiences

<b>Kementerian Pendidikan dan Kebudayaan - Jakarta, Indonesia</b> <i>Quality Assurance</i> Direktorat Jenderal Pendidikan Tinggi, Riset, dan Teknologi <ul style="list-style-type: none"><li>Created comprehensive test suites, test scenarios, and test cases following best practices in the CI/CD pipeline</li><li>Executed User Acceptance Testing (UAT), System Integration Testing (SIT), Functional Testing, and Regression Testing to ensure the robustness and reliability of the application within the CI/CD framework</li><li>Proficient in both manual and automation testing techniques using automation tools like Selenium</li><li>Solid understanding of Software Development Lifecycle (SDLC) methodologies, including Agile, Waterfall, and SCRUM</li><li>Implementing the Software Testing Life Cycle (STLC), involves executing phases such as requirement analysis, test planning, test case design and development, test environment setup, test execution, and test closure</li><li>Contributed effectively to projects by ensuring rigorous quality standards and adherence to best practices in QA processes</li><li>Provided QA reviews with clear and easily understandable feedback to developers, facilitating efficient bug resolution and continuous improvement within the CI/CD framework</li></ul>	Jan 2024 - Jun 2024
<b>Kementerian Pendidikan dan Kebudayaan - Jakarta, Indonesia</b> <i>Project Manager</i> Direktorat Jenderal Pendidikan Tinggi, Riset, dan Teknologi <ul style="list-style-type: none"><li>Gained an in-depth understanding of the business process of the application</li><li>Managed tasks on JIRA, assigning and tracking progress for developers</li><li>Conducted feasibility study meetings to assess project viability and potential challenges</li><li>Led kickoff meetings to initiate project phases and align team objectives</li><li>Applied Waterfall methodologies to plan and execute project phases in a structured manner</li><li>Utilized SCRUM methodologies, including Sprint Planning, Daily Stand Up, Sprint Retrospective, and Sprint Review, to facilitate project management, ensuring effective planning, execution, and review of Sprints for timely delivery</li><li>Created comprehensive Business Requirement Documents (BRDs) to outline project specifications and requirements</li><li>Developed detailed activity diagrams to visually represent workflows and processes</li><li>Conducted risk analysis involving identification, analysis, prioritization, and development of mitigation strategies to assess potential threats or uncertainties impacting project objectives</li></ul>	Jan 2024 - Jun 2024
<b>PT. Dicoding Akademi Indonesia - Bandung, Indonesia</b> <i>Android Developer</i> A platform aiming to develop the developer ecosystem in Indonesia <ul style="list-style-type: none"><li>Proficient in identifying and resolving issues and performing unit tests to ensure the reliability of Android applications</li><li>Conducted thorough API testing using Postman to validate functionality and integration for the Capstone Project</li><li>Implemented RESTful API calls in Android applications using the Retrofit library for efficient communication with backend servers</li><li>Designed visually appealing and user-friendly layouts for Android applications to enhance user experience</li><li>Defined the flow and functionality of Android applications to ensure they meet project requirements and user expectations</li></ul>	May 2023 - Jun 2023
<b>PT. Festo - Tangerang Selatan, Indonesia</b> <i>Quality Assurance Intern</i> Leading supplier of pneumatic and electrical automation technology <ul style="list-style-type: none"><li>Proficient in both manual and automated testing to ensure the quality and reliability of products</li><li>Experienced in commissioning and troubleshooting Modular Production Systems (MPS) to ensure smooth operation and performance</li><li>Skilled in PLC programming with Siemens and Festo systems, contributing to the optimization of automated processes</li><li>As a training assistant at Festo Didactic, assisted in educating clients on pneumatic systems and Festo tools</li></ul>	Sep 2022 - Dec 2022

## Education Level

<b>UNIVERSITAS AIRLANGGA - Surabaya, Indonesia</b> <i>Bachelor Degree in Robotics and Artificial Intelligence Engineering, 3.72/4.00</i> <ul style="list-style-type: none"><li>Selected as a member of the Bangkit 2023 cohort from over 67,000 applicants, with only 5,000 being accepted</li></ul>	Jun 2020 - Jun 2024 (Expected)
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- Selected as one of the few recipients of the Program Kompetisi Kampus Merdeka (PKKM) 2022
- Selected as vice chairman of Komunitas Robotika Universitas Airlangga 2020

#### **Bangkit Academy By Google, GoTo, Traveloka - Bandung, Indonesia**

Feb 2023 - Jul 2023

*Certificate in Mobile Development, 3.66/4.00*

- Active team member of the First 150 Teams to submit Capstone Project Plan
- Active team members specifically mentioned by advisors
- Completed AAD Preparation Class
- 5 students with top interaction on Weekly Consultation

#### **SMAN 1 TANGERANG - Tangerang, Indonesia**

May 2017 - May 2019

*High School Diploma in Mathematics and Natural Science*

- 2nd place in Physics Field of Tangerang Regional Science Olympiad Competition 2018

## **Organisational Experience**

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#### **ROBOTICS COMMUNITY OF AIRLANGGA UNIVERSITY - Surabaya, Indonesia**

Oct 2020 - May 2023

*Vice Chairman*

- Holding a minimum of one meeting for all division per month
- Supervising meetings of all divisions
- Overseeing the progress of each division event planning

#### **STUDENT EXECUTIVE BOARD OF GADJAH MADA UNIVERSITY - Yogyakarta, Indonesia**

Jun 2019 - Jan 2020

*Staff*

- Holding Teknik Berlari event for everyone in engineering faculty
- Becoming Master of Ceremony in Teknik Berlari event

#### **NATIONAL OLYMPICS OF SMANITRA - Tangerang, Surabaya**

Jan 2018 - Jan 2019

*Coach*

- Teaching juniors of SMAN 1 TANGERANG for the Science Olympiad Competition in Physics Field

## **Skills, Achievements & Other Experience**

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- **Soft Skills:** Leadership. Composure. Growth mindset. Knowledgeable and inventive. Swift troubleshooting. Team player. Attentive and receptive. Comprehensive problem analysis. Discipline. Curiosity,
- **Hard Skills:** Android Studio. Autodesk Inventor. Adobe Illustrator. Arduino. Kotlin. XML. Python. C/C++. CURA. PLC Programming. Selenium. JIRA. MySQL. Trello. Notion. Microsoft Word. Microsoft Excel. Canva.
- **Achievements (2018):** Quarter Finalist of Engineering Physics Challenge National Physics Olympiad the 9th Engineering Physics Week
- **Other Experience (2020):** Participant of English Program at Language Center. Participant of 2nd Kibo Robot Programming.