



# ZAKY SYAH ALAM

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Tangerang, Indonesia

A Software Quality Assurance enthusiast with a strong background in Robotics and Artificial Intelligence Engineering. I am a detail-oriented person committed to ensuring the quality and reliability of digital products.

## Work Experiences

### Kementerian Pendidikan dan Kebudayaan - Jakarta, Indonesia

Jan 2024 - Jun 2024

#### Software Quality Assurance

Direktorat Jenderal Pendidikan Tinggi, Riset, dan Teknologi

- Created comprehensive test suites, test scenarios, and test cases following best practices in the CI/CD pipeline
- Executed Smoke Testing, Functional Testing, User Acceptance Testing (UAT), System Integration Testing (SIT), and Regression Testing to ensure the robustness and reliability of the application within the CI/CD framework
- Proficient in both manual and automation testing techniques using automation tools like Selenium
- Solid understanding of Software Development Lifecycle (SDLC) methodologies, including Agile, Waterfall, and SCRUM
- 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
- Contributed effectively to projects by ensuring rigorous quality standards and adherence to best practices in QA processes
- Provided QA reviews with clear and easily understandable feedback to developers, facilitating efficient bug resolution and continuous improvement within the CI/CD framework
- Successfully tested a total of 10 a newly added feature development projects in the production environment of the web application, ensuring the reliability and quality of the new features before and after deployment.

### Kementerian Pendidikan dan Kebudayaan - Jakarta, Indonesia

Jan 2024 - Jun 2024

#### IT Project Manager

Direktorat Jenderal Pendidikan Tinggi, Riset, dan Teknologi

- Gained an in-depth understanding of the business process of the application
- Facilitated effective communication with stakeholders, ensuring regular updates, feedback incorporation, and alignment of project objectives to meet business needs
- Managed tasks on JIRA, assigning and tracking progress for developers
- Conducted feasibility study meetings to assess project viability and potential challenges
- Led kickoff meetings to initiate project phases and align team objectives
- Applied Waterfall methodologies to plan and execute project phases in a structured manner
- 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
- Created comprehensive Business Requirement Documents (BRDs) to outline project specifications and requirements
- Developed detailed activity diagrams to visually represent workflows and processes
- Conducted risk analysis involving identification, analysis, prioritization, and development of mitigation strategies to assess potential threats or uncertainties impacting project objectives
- Successfully resolved a total of 415 issues on JIRA tickets in the live production environment of the web application

### PT. Dicoding Akademi Indonesia - Bandung, Indonesia

May 2023 - Jun 2023

#### Android Developer

A platform aiming to develop the developer ecosystem in Indonesia

- Proficient in identifying and resolving issues and performing unit tests to ensure the reliability of Android applications
- Conducted thorough API testing using Postman to validate functionality and integration for the Capstone Project
- Implemented RESTful API calls in Android applications using the Retrofit library for efficient communication with backend servers
- Designed visually appealing and user-friendly layouts for Android applications to enhance user experience
- Defined the flow and functionality of Android applications to ensure they meet project requirements and user expectations
- Conducted thorough UI/UX testing to ensure the applications provided an intuitive and seamless user experience, meeting design specifications and user expectations.

### PT. Festo - Tangerang Selatan, Indonesia

Sep 2022 - Dec 2022

#### Quality Assurance Intern

Leading supplier of pneumatic and electrical automation technology

- Proficient in both manual and automated testing to ensure the quality and reliability of products
- Experienced in commissioning and troubleshooting Modular Production Systems (MPS) to ensure smooth operation and performance
- Skilled in PLC programming with Siemens and Festo systems, contributing to the optimization of automated processes
- As a training assistant at Festo Didactic, assisted in educating clients on pneumatic systems and Festo tools

## Education Level

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### Universitas Airlangga - Surabaya, Indonesia

Jun 2020 - Dec 2024 (Expected)

*Bachelor of Robotics and Artificial Intelligence Engineering, 3.73/4.00*

- Selected as a member of the Bangkit 2023 cohort from over 67,000 applicants, with only 5,000 being accepted
- 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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### Komunitas Robotika Universitas Airlangga - Surabaya, Indonesia

Oct 2020 - May 2023

*Vice Chairman*

- Organized and facilitated a minimum of one meeting per month for all divisions
- Supervised meetings across all divisions to ensure alignment and efficiency
- Oversaw the progress of event planning within each division, ensuring timely and effective execution
- Drafted and established the Memorandum of Association and Articles of Association to officially form Kombo UA

### BEM Fakultas Teknik Universitas Gadjah Mada - Yogyakarta, Indonesia

Jun 2019 - Jan 2020

*Staf*

- Organized the Teknik Berlari event for all members of the engineering faculty
- Served as the Master of Ceremony for the Teknik Berlari event

### National Olympics of SMANITRA - Tangerang, Indonesia

Jan 2018 - Jan 2019

*Coach*

- Taught Physics to juniors at SMAN 1 Tangerang for the Science Olympiad Competition

## Skills, Achievements & Other Experience

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- **Soft Skills:** Leadership. Composure. Growth mindset. Knowledgeable and inventive. 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. MySQL. PostgreSQL. JIRA. Trello. Notion. Spreadsheet. 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.