

Diovandi Basheera Putra

Mechatronics Engineer and AI Solutions Builder | Automation, Engineering Projects and Digital Operations

Doha, Qatar | South Tangerang, Indonesia | Available from November 2026

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PROFILE

Engineer with a German-Indonesian double degree in mechatronics and industrial engineering and international experience in Qatar, the Netherlands, Germany and Indonesia. I turn messy processes into working systems: at Stratcon Agara Global, an advisory and project development firm, I organised company document governance, built compliance and document-control tools, automated meeting minutes and reported to leadership. Earlier I led external relations for a 200+ member rocketry society and helped raise over EUR 15,625 in crowdfunding. Clear communicator, native in English and Indonesian, comfortable with both engineers and executives. Open to roles in project coordination, technical consulting, operations, business analysis and digital transformation.

CORE SKILLS

Projects and operations: process mapping, document control and compliance tracking, requirement checklists, feasibility and cost analysis, stakeholder and sponsor management

Communication: executive briefings, technical writing and manuals, training and mentoring, website, SEO and UX audits, PR and crowdfunding campaigns

Digital tools: Google Workspace administration, AppSheet, Apps Script, AI tools (Gemini, Claude), Python, SQL

Engineering: PLC and control systems, CAD (Fusion 360, SOLIDWORKS, CATIA), electrical safety, workshop practice

WORK EXPERIENCE

STRATEGIC TECHNICAL ADVISOR | Stratcon Agara Global (SAG) | Remote/Hybrid, Indonesia 08/2026 - 10/2026

- **Built** a document-control system for the firm's compliance projects covering approvals, revisions and readiness tracking, so teams can see which documents are ready for submission; tested locally.
- **Built** a checklist checker for import/export and AMDAL (environmental permit) requirements, taken to trial stage.
- **Contributed** improvements to the office procurement and budget app, including monthly budget allocations and a bilingual English/Indonesian interface.
- **Created** company branding and meeting-minutes templates in Claude and a 1,559-item map of company documents.

PRACTICAL INDUSTRIAL TRAINEE | Politeknik Industri ATMI | Cikarang, Indonesia 05/2026 - 07/2026

- **Built** electrical control panels and **completed** electrical safety training, plus welding, machining and assembly.

CORPORATE DEVELOPMENT INTERN | Stratcon Agara Global (SAG) | South Tangerang, Indonesia 01/2026 - 03/2026

- **Standardised** Google Drive governance across the Core, Legal, Finance and Admin teams using Groups and Shared Drives.
- **Delivered** a 67-page technical, SEO and UX audit of the company website and briefed the web contractor on priorities.
- **Automated** meeting transcription and summaries, producing action items assigned to each speaker.
- **Built** a permit-data extraction workflow with human verification and a WhatsApp document assistant; **presented** the design to company leadership.

MECHATRONICS TEACHING ASSISTANT | Swiss German University | Tangerang, Indonesia 09/2025 - 09/2026

- **Ran** mechatronics lab sessions with safety procedures, **assessed** reports against rubrics, **prepared** manuals and **mentored** students.

MECHANICAL ENGINEERING INTERN | Deutscher Akkuservice / EproSafe | Münster, Germany 07/2025 - 08/2025

- **Reworked** battery enclosure mechanisms in CAD and **proposed** a shared front-plate design to reduce product variants.

PARTNERSHIPS AND PROGRAM MANAGER INTERN | Antarexxa Space Global | Remote, Indonesia 04/2024 - 07/2024

- **Mentored** the Bamantara EEPISAT student team on CanSat 2024 requirements and **supported** an amateur-rocketry roadmap and K-12 space education planning.

COMMISSIONER OF EXTERNAL RELATIONS | Delft Aerospace Rocket Engineering | Delft, Netherlands 10/2022 - 09/2023

- **Directed** external communications, sponsor and university relations, the website and webshop for a 200+ member student rocket society.
- **Conducted** feasibility and financial analysis for the society's CanSat Luxembourg launch-provider bid.

STRATOS IV PR AND LIVESTREAM MANAGER | Delft Aerospace Rocket Engineering | Delft, Netherlands 03/2021 - 09/2022

- **Ran** the crowdfunding communication campaign that raised over EUR 15,625 as a team, and **delivered** sponsor PR obligations.

- **Designed, tested and deployed** the livestream setup over the INTA CEDEA range network (Moguer, Spain) for launch day.

SELECTED PROJECTS

- **Bachelor's thesis (grade 93/100):** built a software tool that rates how well a mechanical assembly is designed, working directly inside Fusion 360 CAD. Journal manuscript with co-authors in preparation.
- **Domestic mobile robot:** autonomous navigation and mapping for a home robot in ROS 2 simulation.

EDUCATION

S.T. MECHANICAL ENGINEERING (MECHATRONICS) | Swiss German University | Tangerang, Indonesia 08/2023 - 09/2026
Final GPA 3.29/4.00. Thesis: Implementation of Mechanical Assembly Rating Tool Based on Kinematic Screw Theory (grade 93/100).

BENG INDUSTRIAL ENGINEERING | Fachhochschule Südwestfalen | Soest, Germany 02/2025 - 07/2025
Final grade 1.7 (German scale, 1.0 = best). Double-degree programme with Swiss German University; degree awarded 06/2026.

BSC AEROSPACE ENGINEERING (COURSEWORK) | Delft University of Technology | Delft, Netherlands 08/2019 - 07/2023
Not completed; credits transferred to Swiss German University.

GCE INTERNATIONAL ADVANCED LEVEL | Qatar International School | Doha, Qatar 08/2017 - 06/2019
AAB in Chemistry, Mathematics and Physics. Head Boy.

CERTIFICATION AND LANGUAGES

Certification: Siemens Mechatronic Systems Certification Program (SMSCP) Assistant, Siemens SITRAIN, 11/2025

Languages: English and Indonesian (native); German A2–B1; Dutch A1