

Farrel Mahardhika Fajar

farrel.m.fajar@gmail.com | Bekasi City, Indonesia

[LinkedIn: farrel-fajar](#) | [Github: FarrelMFajar](#)

Dedicated and results-driven professional with an extensive background in electrical and biomedical engineering, project leadership, and the effective application of data science and data analysis in construction companies. Currently seeking to master the art of data science.

EXPERIENCE

PT Kereta Cepat Indonesia China

Technical Design Management Officer

August 2020 – Present

Jakarta

- Leveraged **Microsoft Excel** and **Microsoft Powerpoint** to **develop 3 project management dashboards**; **presented findings** to stakeholders through **data visualization** produced
- Utilized **SQL** to perform **data cleaning** of BMKG's weather forecast **dataset**; suggested project's **parameter requirements** for system integration to High Speed Railway disaster monitoring system
- Created an **Excel-based dashboard** to **oversee the design progress** with a cross-functional team of 10+ members within 6 different types of signal and electrical buildings spanning 73 locations across Jakarta and Bandung
- **Examined** as-built drawings to ensure **design accuracy** of electrical systems is within **project requirements**
- **Directed and oversaw** vendor installation on station advertising to ensure quality; **issued design reports** at the conclusion of critical jobs for proper **project documentation**; **communicated** installation strategies as assigned
- Assisted in the creation of comprehensive **planning and budgeting documentation** within electrical scope
- **Drafted** 100+ **corporate letters** in formal Bahasa and English directed towards 5 contractors and consultants; **maintained project communication** for at least three years and counting; including follow-ups and reminders

PT Wijaya Karya Rekayasa Konstruksi

Quality Assurance

Jan 2020 – Jun 2020

Jakarta

- **Supervised and translated complex technical manuals** and specifications from **Bahasa to English**, ensuring accurate and clear communication of intricate engineering concepts.
- Assisted in **conducting technical reviews** to ensure the conformity of existing national and international standards on construction procedure.

EDUCATION

University of Indonesia

Master of Biomedical Engineering

January 2020 – January 2023

Depok, West Java

University of Indonesia

Bachelor of Electrical Engineering

August 2015 – August 2019

Depok, West Java

SKILLS

- Data science
- Data analysis
- Data cleaning
- Microsoft Excel
- Microsoft Power BI
- SQL
- Data Visualization
- Python
- Analytical and critical thinking
- Problem-Solving
- Intrapersonal communication
- Growth mindset
- Communication and Negotiation
- Project Management
- Active English communication
- Note-taking and project documentation

OTHER

- **Certifications & Training:** IELTS (Band 8), TOEFL (633), JLPT (N3), RevoU Manager Academy
- **Languages:** Indonesian (native), English (fluent), Japanese (intermediate)