

# NATTAWAT RATTANALANGKARN

## Data Analyst / Project Manager / Senior Engineer

Passionate project management professional driven by a deep desire to create meaningful change through data analytics. With a background in engineering design and a proven track record of delivering effective solutions, I possess strong interpersonal skills and effective communication abilities to foster productive relationships. Seeking a career transition to the data analytics field, where I can apply my passion for leveraging data-driven insights to drive impactful outcomes.

### Skills

- Data Cleaning & Data Visualization
- SQL & R Programming
- Tableau (Data visualization)
- Analysis & Reporting
- Project Coordination
- Agile Project Management
- Problem-Solving
- Risk Management
- Microsoft Excel, PowerPoint

### About me

Date of Birth: Nov. 18, 1993

Gender: Male

Nationality: Thai

### Contact

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Pathumthani 12130, Thailand

### Education

#### Bachelor of Mechanical Engineering Kasetsart University,

Bangkok, Thailand

2012-2016

- Designed service robot for Robocup Japan Open 2014, **showcasing teamwork and problem-solving.**
- Contributed to designing AUV for RoboSub 2014, **highlighting cross-functional collaboration.**
- Part of a race car design team for SAE Japan 2015, **demonstrating project management and team coordination.**
- Oversaw senior project on a medical stand-up assisted device, **showcasing leadership, and innovation.**

### Certifications

- Project Management (Professional Certification)
- Data Analytics (Professional Certification)
- AI for Everyone
- Strategy and Sustainability

### Language

- Thai (Native speaker)
- English (TOEIC : 775)
- Japanese (Level: N3)

### Experience

#### ○ Data Analyst

Google data analytics professional certification & Self-Studying  
Jan. 2023 - Present

- **Completed 'Fitness Tracker Usage Trends & Marketing Insight'** (personal project). Utilized **SQL** for data validation, data cleaning, and analysis. Created a presentation to share findings and visualized data using **Tableau**.
- For further detail on the project, please refer to my portfolio website below:  
<https://nattawat-r.github.io/Nattawat-Portfolio.github.io/>

#### ○ Project Team Leader / Senior Engineer

Toyota Daihatsu Engineering & Manufacturing  
Samut Prakan, Thailand  
Jul. 2020 - Dec. 2022

- **Oversaw global projects and reported summarized findings to top management** for vehicle exterior parts development.
- **Developed cost-effective solutions and proposed innovative concepts**, such as the new combined rear bumper structure, **resulting in cost savings of over 50%** compared to conventional ways while meeting regulations and customer needs.
- **Communicated project expectations, scopes, and schedules to team members and stakeholders** (including the production team, Purchasing team, shipping team, planning department, and regulation team), **resulting in smooth execution and zero issues**, even with unconventional concepts.
- **Applied agile methodology to the team**, including managing task dependencies and adapting to change, **resulting in a 25% reduction in the development process** and motivating team members to promote productivity.
- **Utilized strong problem-solving skills to address customer claims problems**, such as introducing an unconventional lamp structure change **to keep cost target, and managed to keep part costs to a minimal increase of only 1%** through investigations, hypothesis development, and tackling complex business challenges.
- **Proactively identified risks and devised contingency plans such as addressing a major potential time risk in a new project** and conducting advanced engineering studies for **ensuring that all new development parts passed required tests 100% before main production began**, enabling the team to navigate obstacles, avoid project failures, and ensure timely delivery.

#### ○ Senior Engineer

Toyota Motor Corporation  
Aichi, Japan  
Jul. 2019 - Jun. 2020

- Contributed to the **development of comprehensive engineering documents by providing input on design requirements and technical specifications** for assigned project components.
- Demonstrated attention to detail in **drafting high-quality engineering designs and plans that met industry standards.**
- Generated detailed **documents and reports activities and findings.**
- **Mentored junior engineers**, fostering their professional growth.

#### ○ Design Engineer

Toyota Daihatsu Engineering & Manufacturing  
Samut Prakan, Thailand  
Jun. 2016 - Jun. 2019

- **Collaborated within a team** to design vehicle exterior parts, considering requirements such as regulations, engineering feasibilities, and customer needs.
- **Assisted in drafting documentation detailing design requirements and technical specifications** for vehicle exterior and lamp parts.