

PATSIRI JAIKWNA

Lead/Senior Structural Engineer

Summary

A structural engineer with an excellent background in structural engineering, mathematics and dynamics of structure. Having 9 years and 5 years experience in structural design and construction supervision, It help me to design practically and quickly understand an engineering problems.

I have completed many of complex structural design projects e.g. Irregular shape high-rise building, Building renovation, Warehouse with Long span roof. I'm seeking for a challenges to make an achivement in complicated structure that can enhance my structural expertise and career path.

Recent Career

W & Associates Co.,LTD.

January 2021 - Present

Lead Structural Engineer

- Attend Project meeting to express a comments and suggestion to other involved team.
- Lead the team in the structural design process from conceptual design through construction service stage. Ensuring the submitted work is following the engineering principles and completed on schedule.
- Analyze and design structural concept using ETABS
- Design structural details using ETABS, ADAPT-RC and Excel spreadsheet
- Perform research, code review and calculations to study any feasibility as per client request
- Prepare a technical document such as Specification for tendering, Study report.

Meinhardt(Thailand) Co.,LTD.

March 2018 - December 2021

Senior Structural Engineer

- Analyze & design structural concept using ETABS or SAP2000
- Design structural details using ETABS, ADAPT-RC and Excel spreadsheet
- Provide an advice to junior engineer and review a work prepared by them.
- Inspect and evaluate the condition of existing structure that is part of the renovation project.
- Prepare a technical document e.g. Specification for tendering, Inspection report.
- Instruct draughtsman to draft drawing according to a sketch.

K.C.S. & Associated Co.,LTD.

January 2017 - February 2018

Structural Engineer

- Analyze and design structural concept using ETABS or SAP2000
- Design structural details using ETABS and Excel spreadsheet
- Instruct draughtsman to draft drawing according to a sketch.

Sino Thai Engineering & Construction PCL.

July 2014 - December 2016

Structural Engineer

- Analyze and design structure from concept to detailing stage using SAP2000
- Perform calculations, design and technical research to support construction e.g. Temporary structure details, Construction method statement, Method to maintain a stability of main structure at construction stage.
- Prepare Structural shop drawing

Early Career

Sino Thai Engineering & Construction PCL.

September 2011 - June 2014

Site Civil Engineer

Thai Takenaka International Co.,LTD.

August 2009 - August 2011

Site Civil Engineer

Westcon Co.,LTD.

October 2009 - July 2010

Office Engineer



Personal Details

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Sanambin, Donmueang,
Bangkok 10211

Core Skills

Engineering

- High-rise Building Design
- Analysis of Structural under Dynamics load
- Reinforced Concrete
- Steel Structure
- Prestressed Concrete
- Non-Linear Analysis
- Quantity surveying

Software

- ETABS
- SAP2000
- ADAPT-RC/PT
- MS Excel
- MS Powerpoint
- AutoCAD
- Revit

Professional

- Technical report writing
- Coordination with Foreigner & International Firm
- Team Management
- MultiTasking

Language

English

Good at Reading, Writing
Fairly good at Speaking, Listening

License

Professional Engineer License
register no. PE 12488

Education

Master of Engineering

Major in Structural engineering
Thammasat university 2015-2020

Bachelor of Engineering

Major in Civil engineering
Chulalongkorn university 2005-2009