

PIRAWIT SUKHANESKUL

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Architectural BIM Specialist | Revit Documentation | BIM Coordination | Dynamo & AI Workflows

PROFESSIONAL SUMMARY

Thai-licensed architect and BIM-focused designer with experience in Revit-based documentation, interior production drawings, FF&E layouts, material schedules, and coordinated construction documents. Skilled in BIM coordination, Dynamo/Python automation, quantity takeoff, and AI-assisted workflows. Experienced in LEED documentation, MEP/design coordination, and RFI/RFA processes for commercial and residential projects.

EDUCATION

MSc Sustainable Construction & Management of the Built Environment

Sep 2024 – Sep 2026

Erasmus Mundus MBUILD — FEUP Porto · THM Giessen · Universidad de Cantabria

- Modules: 3–7D BIM (Revit, Revit families, Navisworks, Dynamo, IFC4.0, ISO 19650, BEP/CDE, clash detection) | Sustainable Design & Construction | Project Management (EVM, CPM, Primavera P6) | Digital Workflows & AI Integration.
- MSc Thesis: Developed Python-Dynamo automation scripts for Revit-based quantity takeoff mapped to WBS logic. The workflow generates 4D scheduling, 5D cost estimation, and 6D embodied-carbon outputs from a single Revit model, supported by an AI-assisted analytics dashboard.

Bachelor of Architecture (First Class Honors)

Aug 2018 – Jun 2023

Chulalongkorn University, Bangkok

- Thesis: 30-storey affordable housing BIM model (Revit) — precast walls, post-tensioned slabs, modular pods, fire compartmentation.

PROFESSIONAL EXPERIENCE

Interior Designer (Part-time) | Cometa Architects (D&B Studio), Barcelona

Feb 2026 – Jun 2026

- Produced interior production drawings — plans, sections, elevations, material schedules, and FF&E layouts — for residential renovation projects in Harlow, Essex, UK.
- Applied AI-assisted rendering and material visualization workflows to accelerate design presentation, reducing post-production time without compromising visual quality.

Site Architect | NUSA Construction, Bangkok

May 2024 – Jul 2024

- Supervised construction of a 1,500 sqm luxury residential project; produced technical resolution drawings to address MEP clashes, tank relocations, and layout conflicts across structural, MEP, and finishing trades.
- Prepared weekly progress reports, issue logs, and site documentation. Maintained quality standards through site inspections, coordination follow-ups, and construction issue tracking.

Green Building Specialist | Africus Co., Ltd., Bangkok

Jul 2023 – Apr 2024

O2 Bangkok Office @ One Bangkok — LEED BD+C

- Managed RFI/RFA documentation through Aconex and coordinated with main contractors, consultants, and project teams on construction-stage documentation requirements. (Thai Obayashi, Thai Takenaka, ITD-Takenaka JV, Pre-Built)

Accenture Office @ FYI Center — LEED ID+C Gold (63/110)

- Supported interior material selection and documentation coordination with CBRE and fit-out designers for Accenture Office
- Conducted interior daylight simulations using Rhino + Grasshopper + DIVA; achieved 45.3% sDA 300lx/50% across occupied zones, contributing to the daylighting credit.

Architectural Intern | Tandem Architects + STUD/O Architect, Bangkok

2021 – 2022

- Central Embassy 2:** Calculated GFA and saleable-area ratios from construction drawings as part of the joint Thailand–Denmark coordination team with BIG / Bjarke Ingels Group (Denmark).
- Central Nakorn Pathom:** Performed retention pond sizing from rainfall data and integrated NBS (Nature-based Solutions) into landscape design proposal.

TECHNICAL SKILLS

BIM & Coordination:	Revit, BIM 360, Navisworks, Solibri, BIMcollab, IFC, ISO 19650, BIM standards, construction documentation
Interior & FF&E:	FF&E layouts, Revit families, material schedules, interior production drawings, technical details
Design & Visualization:	AutoCAD, SketchUp, Enscape, D5, Lumion, Rhino, Grasshopper, Adobe Suite
AI & Automation:	Dynamo, Python, LLM-assisted workflows, Generative AI tools, automated scheduling and quantity
Sustainability Experience:	LEED BD+C, LEED ID+C, WELL V2, One Click LCA, DIVA, Climate Studio, ENVI, ArcGIS Pro
Project Management:	Aconex, RFI/RFA workflows, MEP coordination, progress reports, MS Project, Primavera P6, Excel
Languages:	Thai (Native) · English (C1) · Spanish (A1)

AWARDS & CREDENTIALS

- Thai Architectural License (ID Assoc.Arch 27042)— Licensed by the Architect Council of Thailand
- EU-funded Erasmus Mundus MBUILD Scholarship — 1 of 15 selected from 1,000+ global applicants
- Gold Mention Award (4th prize, Young Architects Competitions (YAC) 2022 — Dubai Sea House (jury: Snøhetta, Foster+Partners, MAD Architects)