Sengly Silamongkul

ENGINEERING GRADUATE / TECHNICAL OPERATIONS

PROFILE

Bachelor of Engineering in Architecture graduate with earlier civil engineering studies. Brings materials testing, data analysis, technical drawings and structural/MEP coordination experience to engineering and technical operations roles.

Adaptable learner with experience studying in Japan and Cambodia and coordinating technical work within a practice team.

CONTACT

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LANGUAGES

Khmer
Native

English
Professional working
TOEIC 890 (2023)

Japanese
Conversational / working

TECHNICAL EXPERIENCE

Architectural Intern

JUN - AUG 2026

PH Construction / Peng Huoth Group

COMPLETED INTERNSHIP

Completed an internship supporting technical design and construction documentation for two main estate buildings: greenhouse/accommodation and driver/support facilities. Both buildings are under construction.

Greenhouse + accommodation

- Developed AutoCAD floor and roof plans, elevations and sections, carrying dimensions, grid references and level information across the drawing set.
- Prepared construction and shop drawings for stair geometry, landings, bathroom layouts, floor layouts and sanitary details.

Driver + support facilities

- Developed plans and building sections for driver accommodation, sitting areas and sanitary facilities, coordinating layouts, openings, dimensions and levels.
- Produced enlarged bathroom fixture plans, floor layouts, internal elevations and sections to communicate the sanitary-core arrangement.

Structural / MEP coordination

- Coordinated architectural drawings with structural requirements. Contributed to initial MEP discussions on pipe routes and sanitary arrangements within the practice team.

Private Villa / preliminary design

JAN 2026

Concept collaboration / Full 2D design

- Produced the preliminary floor and roof plans. Worked with a civil-engineer collaborator who developed the SketchUp/3D model and provided early column, beam and MEP recommendations.

Poipet Residential Flat

2024

Planning and AutoCAD documentation / Poipet, Cambodia

- Developed architectural planning and AutoCAD drawings with a collaborating architect. Documented floor arrangements, stair connections, sections, elevations and dimensions for a multilevel residential building.

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ENGINEERING EDUCATION / RESEARCH / TOOLS

TECHNICAL TOOLS

AutoCAD

2D technical documentation; construction and shop drawings; dimensions and detail development.

Revit

Beginner. Developing modelling skills through a personal house project at schematic stage.

Excel / Office

Experimental-data analysis, technical documentation and presentations using Excel, Word and PowerPoint.

Vectorworks

Architectural drawings, 3D modelling and academic BIM workflows.

AI-assisted work

Research, analysis, learning and documentation support.

Visual communication

D5 Render for architectural visualization; Photoshop for image preparation and presentation graphics.

WORKING STRENGTHS

Analytical problem-solving
Technical communication
Multidisciplinary teamwork
Adaptability and self-learning

EDUCATION & TECHNICAL FOUNDATION

Mie University / Japan

MAR 2026

Bachelor of Engineering in Architecture.

Nihon Kogakuin / Japan

MAR 2024

Architecture Design. Architectural drawing, spatial planning, 3D studies and project presentation.

ITC / Cambodia

2019 - 2021

Civil Engineering studies.

Additional education: Japanese preparation through JASSO (March 2022); BELTEI International School.

Scholarships: ITC full scholarship; fully funded SIIT Thailand and MEXT Japan awards. Continued studies in Japan through MEXT.

CONSTRUCTION MATERIALS RESEARCH

Laterite mortar / experimental study

2025 - 2026

Mie University / Supervisor: Prof. Noriyuki Mita

- Prepared and tested mortar specimens using laterite as a fine-aggregate replacement. Compared 0-100% replacement by mass, mix proportions and 7-day / 28-day curing ages.
- Analyzed compressive, flexural and splitting tensile strength alongside density and water absorption. Compared plain mixes with fly ash and blast-furnace slag modifications.
- Interpreted trends and correlations and presented technical findings. Test material was Japanese tennis-court laterite used as a proxy for potential Cambodian applications.

TECHNICAL PROJECT WORK

Edobashi Station Redevelopment

2025 - 2026

Mie University. Investigated existing-site access and circulation. Developed plans, sections, 3D representations and a physical model to communicate a multilevel station redevelopment proposal.

INDEPENDENT DEVELOPMENT

L-shaped House / family project

ONGOING

Personal project for my father at schematic design stage. Exploring economical construction and practical planning while using the project to develop Revit modelling skills.