

# แฟ้มสะสมผลงาน PORTFOLIO



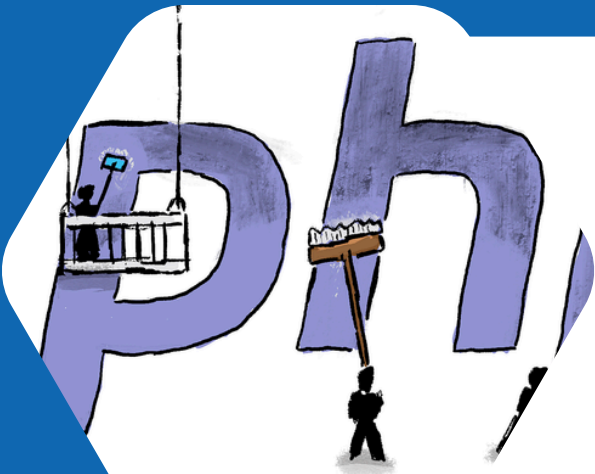
Ratchanon Noknoy  
Healthcare Software Engineer

# แฟ้มผลงาน PORTFOLIO



Built a Next.js + LINE API registration system, reducing wait time by 80% and deployed hospital-wide.

Optimized legacy HOSxP (1999) by reverse-engineering key tables to streamline OPD workflows.



Restored production stability by fixing legacy PHP files and implementing head nurse requirements.

# โครงสร้างระบบ ARCHITECTURE

HOSxP (MySQL)



SQL ETL Layer



Analytics Views



Dashboards / Reports

[Patient]



[Next.js (Frontend + API Routes)]



[Data Validation Layer]



[Google Sheets (Storage)]



[Healthcare Staff Review]

# ใบพจนานุกรม TRANSCRIPT

**Name** MR. RATCHANON NOKNOY  
**Student ID** 603 1305 027  
**Degree** Bachelor of Science (Software Engineering)

**Date of Admission** August 14, 2017  
**Date of Graduation** October 22, 2024

COURSE CODE	COURSE TITLE	CREDIT	GRADE	COURSE CODE	COURSE TITLE	CREDIT	GRADE
<b>1st Semester 2017</b>				<b>1st Semester 2019</b>			
1001105	Thai Language Skills	3	C+	1305301	Software Process and Quality Assurance	3	
1006001	Intensive English	0	S	1305306	Software Project Management	3	
1006122	English 1	3	D+	1305307	Enterprise Application Development	3	
1301107	Basic Information Technology	3	C+	1305392	Seminar in Software Engineering	1	
1301120	Mathematics for Information Technology 1	3	A	1305405	Enterprise Architecture	3	
1301122	Introduction to Programming	3	D	2302101	ASEAN Studies	3	
1305105	Software Engineering Practice 1	3	B+	2408101	Chinese 1	3	
<b>18</b>	<b>18</b>	<b>2.50</b>	<b>18</b>	<b>19</b>	<b>19</b>	<b>3.33</b>	<b>91</b>
							<b>91</b>
							<b>2.63</b>
<b>2nd Semester 2017</b>				<b>2nd Semester 2019</b>			
1006123	English 2	3	C	1001127	Psychology in Daily Life	3	
1301121	Mathematics for Information Technology 2	3	C	1101100	Science for Life	3	
1305102	Introduction to Software Engineering	3	C	1305391	Senior Project 1	1	
1305103	User Interface Design	3	C	1305496	Selected Topics in Software Engineering I	3	
1305104	Object Oriented Design and Programming	3	D	1410303	Growing Plant for Aesthetic	3	
1305106	Software Engineering Practice 2	3	A				
<b>18</b>	<b>18</b>	<b>2.16</b>	<b>36</b>	<b>13</b>	<b>13</b>	<b>3.87</b>	<b>104</b>
			<b>36</b>				<b>104</b>
							<b>2.77</b>
<b>1st Semester 2018</b>				<b>1st Semester 2020</b>			
1006124	English 3	3	D	1305406	Senior Project 2	3	
1106281	Probability and Statistics	3	B+	1305493	Software Engineering Case Studies	3	
1202114	Introduction to Economics	3	D	1305497	Selected Topics in Software Engineering 2	3	
1302271	Computer Architecture	3	C+	1600104	Laws and Ethics for Information Technology	3	
1305214	Software Requirements Analysis and Specification	3	C+				
1305215	Web Application Development	3	A	<b>12</b>	<b>12</b>	<b>3.50</b>	<b>116</b>
<b>18</b>	<b>18</b>	<b>2.41</b>	<b>54</b>				<b>116</b>
			<b>54</b>				<b>2.83</b>
				<b>2nd Semester 2020</b>			
<b>2nd Semester 2018</b>				<b>ON LEAVE</b>			
1302204	Data Structures and Algorithms	3	D+	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>116</b>
1305211	Software Testing	3	C				<b>116</b>
1305212	Database Management System	3	B				<b>2.83</b>
1305213	Software Modelling and Architectural Design	3	C	<b>Summer Session 2020</b>			
1305216	Mobile Application Development	3	A	1305498	Co-operative Education		0
1405101	Principles of Crop Produces	3	A				
<b>18</b>	<b>18</b>	<b>2.75</b>	<b>72</b>	<b>1st Semester 2021</b>			
			<b>72</b>	<b>ON LEAVE</b>			
				<b>0</b>	<b>0</b>	<b>0.00</b>	<b>116</b>
							<b>116</b>
							<b>2.83</b>
<b>2nd Semester 2021</b>				<b>ON LEAVE</b>			
<b>ON LEAVE</b>				<b>1st Semester 2022</b>			
<b>ON LEAVE</b>				<b>ON LEAVE</b>			
<b>ON LEAVE</b>				<b>0</b>	<b>0</b>	<b>0.00</b>	<b>116</b>
<b>ON LEAVE</b>							<b>116</b>
<b>ON LEAVE</b>							<b>2.83</b>
<b>ON LEAVE</b>				<b>2nd Semester 2022</b>			
<b>ON LEAVE</b>				<b>ON LEAVE</b>			
<b>ON LEAVE</b>				<b>0</b>	<b>0</b>	<b>0.00</b>	<b>116</b>
<b>ON LEAVE</b>							<b>116</b>
<b>ON LEAVE</b>							<b>2.83</b>

A = 4.00 POINTS I = INCOMPLETE CA = CREDIT ATTEMPTED  
 B+ = 3.50 " M = MISSING CG = CREDIT GRANTED  
 B = 3.00 " P = IN PROGRESS GPA = GRADE POINT AVERAGE  
 C+ = 2.50 " S = SATISFACTORY CAX = CUMULATIVE CA  
 C = 2.00 " U = UNSATISFACTORY CGX = CUMULATIVE CG  
 D+ = 1.50 " V = VISITOR GPAX = CUMULATIVE GPA  
 D = 1.00 " W = WITHDRAWN  
 F = 0.00 " X = NO REPORT



Valid for verification from  
February 27, 2026

Online verification requires a valid password from the owner

**Ruangsak**

(Mr. Ruangsak Kiengkam  
Registrar

Date Issued February 27, 2026

VALID WITHIN 90 DAYS ONLY