



Chanchai Thaiyanon

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Senior Software Engineer with 8+ years of experience delivering cloud-native, full-stack, and embedded solutions across HR and manufacturing industries. Specialized in .NET, AWS, and embedded systems. AWS Certified Developer (Associate), passionate about building scalable enterprise systems and modern SaaS products.

Skills & Proficiencies

- Backend & Cloud:** C#, .NET, ASP.NET, Node.js, AWS (CloudFormation, CodePipeline, IAM), Docker, CI/CD, Prisma ORM, Entity Framework, LINQ, SQL, DynamoDB
- Frontend:** Next.js, React, Tailwind CSS, Bootstrap, JavaScript, TypeScript
- Databases:** MS SQL Server, Oracle, PostgreSQL, DynamoDB
- Embedded & Hardware:** STM32 (RTOS, I2C, UART, TIMER), Arduino, Raspberry Pi
- Testing:** Jest, PyTest, TestRail
- Other:** Python, Go, YAML, LocalStack

Certifications

- AWS Certified Solutions Architect - Associate** (Issued December 2025)
Validation Number: [e5ed88550deb46ca85127d4427b26507](#)
- AWS Certified Developer - Associate** (Issued June 2025)
Validation Number: [e17c42fa8fa4434892cf05c1c9da969](#)

Experience

Nissinbo Micro Device (Thailand) Co., Ltd.

Lamphun, Thailand

Senior Software Engineer

February 2024 – Present

- Develop desktop and mobile applications, handling the entire process from design and development to testing and delivery, with some applications integrating with hardware.
- Collaborate with Japanese developers to deliver a cloud-based healthcare solution for the Japanese market.
- Work with the team to design and develop embedded hardware solutions, including circuit design, PCB layout, and assembly, while being responsible for coding the firmware according to requirements.

Humanica Public Company Ltd.

Bangkok, Thailand

Software Developer

November 2020 – August 2023

- Developed and maintained enterprise HR and payroll systems serving thousands of employees across large organizations.
- Collaborate with designers, testers, and operations teams to ensure the software meets business requirements and user needs.
- Oversee the migration of legacy applications to modern microservice-based cloud architectures, improving scalability and performance.

Hoya Lamphun Ltd.

Lamphun, Thailand

IT Engineer

November 2016 – October 2020

- Developed and managed factory-wide web applications to streamline manufacturing processes.
- Designed and implemented an HR system for employee leave and overtime tracking.
- Built an image-processing application using computer vision to eliminate human decision-making.
- Researched and deployed Google Cloud Platform services for industrial automation.

Education

Khon Kaen University

Khon Kaen, Thailand

Bachelor of Engineering in Computer Engineering, 2.51 GPA

Graduated February 2016