

Mr. Prasert Nacharoen

Citizenship : Thai ▪ Date of birth : 20 Feb 1997

Contact

Tel : 066-162-2425 (Working Days)

e-mail : prasert.nacha@gmail.com

Address

Ratchadaphisek Road, Din Daeng Subdistrict, Din Daeng District, Bangkok 10400

Personal Data

Name Mr. Prasert Nacharoen

Age 29

Gender Male

Nationality Thai

Religion Buddhist



Education

2015 to 2019 **Bachelor's Degree in Computer and Electronic Engineering**
Kasetsart University, Kamphaeng Saen Campus

Brief Overview

- ✓ Over 7 years of experience in Software Development, specializing in Backend and Web Application Development.
- ✓ Experience in information systems within the insurance industry.
- ✓ Good knowledge of system analysis and design based on project requirements.
- ✓ Strong experience in developing RESTful APIs and Microservices using Node.js, NestJS, Express.js, and TypeScript
- ✓ Experience in Frontend Development using React, Next.js, and Vue.js, with Tailwind CSS
- ✓ Experience in Event-driven Architecture and Asynchronous Processing using Apache Kafka and RabbitMQ.
- ✓ Experience in system integration with external systems and APIs, including AS/400.
- ✓ Experience in payment service integration with 2C2P Payment Gateway, including JWS and JWE for digital signature, verification, and data encryption.
- ✓ Experience in database development and data management using MySQL, Microsoft SQL Server, MongoDB, and Firebase Realtime Database, with SQL for data querying and processing.

- ✓ Experience in automated testing, including Unit Testing with Jest and Enzyme, and BDD Testing with Cucumber.
- ✓ Experience in application logging and monitoring using ELK Stack and Grafana.
- ✓ Experience working with CI/CD processes using Git, Git Tag, and Jenkins, as well as containerized application development and deployment using Docker and Docker Compose.
- ✓ Experience in software development, system troubleshooting, testing, and working with cross-functional teams.
- ✓ Good communication and teamwork skills, with experience collaborating with developers, QA, business teams, and external stakeholders.
- ✓ Strong problem-solving and troubleshooting skills, with experience analyzing and resolving issues across Development, UAT, and Production environments.
- ✓ Adaptable and willing to learn new technologies and tools based on project requirements
- ✓ Experience in gathering and analyzing business requirements with cross-functional teams to design and develop scalable software systems.

Technical Expertise

Programming Language	TypeScript, JavaScript, PHP, Python, Java, SQL
Backend & Frameworks	Node.js, NestJS, Express.js, Laravel
Frontend & Web Technologies	React, Redux, Next.js, Vue.js, Vuex, Vuetify, Bootstrap, Tailwind CCS, HTML, CSS, JavaScript, jQuery
Architecture & API	RESTful API, Microservices, Event-Driven Architecture, JWT, Webhooks
Messaging & Caching	Apache Kafka, RabbitMQ, Redis
Database Environment	MySQL, Microsoft SQL Server, MongoDB, Firebase Realtime Database
Testing	Jest, Enzyme (Unit Testing), Cucumber (BDD Testing)
Security & Payment Integration	JWS (JSON Web Signature), JWE (JSON Web Encryption), Public Key / Private Key, 2C2P Payment Gateway
Logging & Monitoring	Elasticsearch, Logstash, Kibana (ELK Stack), Grafana
DevOps & Tools	Git, Git Tag, Jenkins CI/CD, Docker, Docker Desktop, Docker Compose, Kubernetes, Headlamp
Development Tools	DBeaver, SQL Server Management Studio (SSMS), MongoDB Compass, SOAP UI, Batch Script (.bat), Java Tool (.jar)

Work Experience

December 2022 – Present	Software Developer, FWD Life Insurance Public Company Limited
Project Name:	Insurance Sales Recommendation System (SCB Partnership)
Work Site:	FWD Life Insurance Public Company Limited
Database:	MySQL
Development Tool:	React, Next.js, Redux, Bootstrap, Express.js, Jest, Enzyme
Responsibilities:	✓ Developed and maintained Web Applications for insurance sales recommendations in collaboration with Siam Commercial Bank (SCB). ✓ Built dynamic frontend interfaces using React, Redux, and Bootstrap, paired with Express.js backend services. ✓ Developed automated Unit Tests using Jest and Enzyme while verifying and maintaining high test coverage standards.

Project Name:	Automated Policy Document Generation System
Work Site:	FWD Life Insurance Public Company Limited
Database:	Microsoft SQL Server
Development Tool:	NestJS, Express.js, TypeScript, RabbitMQ, Redis, Logstash, Elasticsearch, Kibana, Grafana, Python, Batch Script (.bat), Java (.jar)
Responsibilities:	✓ Engineered an Event-driven Microservice for automated insurance policy document generation in PDF format. ✓ Develop RESTful APIs and Microservices using NestJS, Express.js and TypeScript. ✓ Implemented Asynchronous Processing via RabbitMQ and Message Consumers, incorporating a 3x Retry Mechanism for failed jobs. ✓ Utilized Redis for high-performance caching and state management during processing workflows. ✓ Managed structured data in Microsoft SQL Server using SSMS for query optimization and data processing. ✓ Integrated centralized logging via Logstash and Elasticsearch, utilizing Kibana for log inspection and analysis. ✓ Monitored application metrics (CPU/Memory usage) using Grafana dashboards. ✓ Support system testing and troubleshooting in UAT and Production environments. ✓ Developed a PDF Comparison Tool using Python and Batch Script (.bat) to support internal team operations. ✓ Developed a Java Tool (.jar) to support troubleshooting and issue investigation in UAT and Production environments.
Project Name:	Insurance Policy Data Integration with AS/400
Work Site:	FWD Life Insurance Public Company Limited
Database:	MySQL
Development Tool:	NestJS, TypeScript, SQL, Apache Kafka, Redis, Jest, Cucumber, Logstash, Elasticsearch, Kibana, SOAP UI, DBeaver
Responsibilities:	✓ Developed Event-driven Microservices to consume and process insurance policy streams from Apache Kafka. ✓ Built Kafka Consumers responsible for Data Mapping and Data Transformation prior to dispatching payloads to AS/400 APIs. ✓ Developed RESTful Microservices/APIs using NestJS, TypeScript, SQL, and Redis caching. ✓ Managed MySQL databases via DBeaver for data validation and query management. ✓ Tested and validated AS/400 integration endpoints using SOAP UI. ✓ Implemented Unit Testing with Jest and Automated BDD Testing with Cucumber. ✓ Integrated centralized logging via Logstash and Elasticsearch, utilizing Kibana for log inspection and analysis.
Additional Tools:	Development & CI/CD Git, Git Tag, Jenkins CI/CD, Docker, Kubernetes, Headlamp
Responsibilities:	✓ Managed source code version control using Git, applying Git Tags as triggers for Jenkins CI/CD pipelines. ✓ Monitored Jenkins automated Build and Deployment pipelines across environments.

- ✓ Maintained Dockerfiles and utilized version-tagged container builds during release cycles.
- ✓ Utilized Headlamp to inspect Kubernetes workloads, pods, and application logs to accelerate troubleshooting.

August 2021 – November 2022

Full Stack Developer, **Robot Galaxy Kids Co., Ltd**

Project Name: Internal Game Content Management System and API

Work Site: Robot Galaxy Kids Co., Ltd.

Database: MongoDB, Firebase

Development Tool: Vue.js, Vuex, Vuetify, Tailwind CCS, Express.js, JWT, Docker Desktop

Responsibilities:

- ✓ Developed back-office Web Applications to manage internal game content and game-related metadata.
- ✓ Built secure RESTful APIs with JWT Authentication for Unity game developers to retrieve application data.
- ✓ Developed frontend and backend systems using Vue.js, Vuex, Vuetify, and Express.js.
- ✓ Managed application data utilizing MongoDB and Firebase Realtime Database for real-time state synchronization.
- ✓ Containerized local development environments using Docker Desktop.

Additional Development: 2C2P Payment Gateway Integration (Proof of Concept / Implementation)

Development Tool: JWS, JWE, Public Key / Private Key, Webhooks, 2C2P Payment Gateway

Responsibilities:

- ✓ Researched and developed a payment integration module for 2C2P Payment Gateway to handle commercial transactions.
- ✓ Designed and implemented security logic using **JWS (JSON Web Signature)** for data integrity verification and **JWE (JSON Web Encryption)** for sensitive payload encryption.
- ✓ Configured Public/Private Key key-pair management for signing, verification, encryption, and decryption processes.
- ✓ Implemented Webhook endpoints to handle asynchronous payment status notifications and callbacks.

July 2019 – July 2021

Software Developer, **Internet Thailand Public Company Limited (INET)**

Project Name: Video Conference Management System

Work Site: Internet Thailand Public Company Limited (INET)

Database: MongoDB

Development Tool: Express.js, Vue.js, Docker, Docker Compose, OneID, OTP

Responsibilities:

- ✓ Developed enterprise video conferencing web applications for internal departments and government agencies.
- ✓ Integrated INET OneID SSO authentication and implemented OTP verification for secure login.
- ✓ Built Meeting Room management workflows, automated email invitations, and confidential meeting rooms requiring OTP authentication.
- ✓ Containerized and deployed applications on servers using Docker and Docker Compose with version tags.

Project Name: Nissan Automotive Advertising Website (Outsource via Mirum Thailand)
Work Site: Mirum (Thailand) Co., Ltd.
Development Tool: HTML, CSS, JavaScript, jQuery
Responsibilities: .

- ✓ Customized UI components for Nissan automotive campaign websites according to client design standards.
- ✓ Collaborated directly with the Mirum Thailand team to deliver high-quality frontend assets based on design requirements.

Project Name: Government Project
Work Site: Internet Thailand Public Company Limited (INET)
Development Tool: PHP, Laravel
Responsibilities: .

- ✓ Developed and maintained backend services for government agency applications using PHP and Laravel.

Languages

Thai (Native)

English (Basic)