

# NARKKHARUX TRIPIYARATANA

## SOFTWARE ENGINEER

### CONTACT



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[Github](#)



[Linkedin](#)



Chiang Mai, Thailand

### EDUCATION

Bachelor of Computer Science

Chiang Mai University

August 2014 - June 2018

### SKILLS

- Programming languages: Java, JavaScript, C, C++
- Frontend: React.js, JSP, Angular 5, HTML, CSS, SCSS
- Backend: Spring Boot
- CI/CD: Jenkins
- Databases: SQL
- Source control: Git
- Data indexing: Elasticsearch, Solr
- Caching: Redis
- Message Brokers: RabbitMQ, Kafka
- Job Scheduling: Quartz
- File Management: minIO

### WORK EXPERIENCE

#### Software Engineer (Full-Time)

Ascend Commerce, Chiang Mai

June 2018 - April 2023

##### Travel Platform:

- Developed "**Ascend Travel**," an innovative online travel agency platform.
- Implemented frontend development using Angular 5, SCSS, and Karma-Jasmine for comprehensive unit testing.
- Engineered the backend infrastructure as a set of microservices using Java Spring Boot, ensuring good performance and scalability.
- Integrated Elasticsearch to optimize search functionality, enhancing the user experience.

##### E-Procurement Projects:

###### "e-Procurement"

- Developed a web interface for e-Procurement using the JSP framework.
- Leveraged stored procedures for efficient database operations, ensuring data accuracy and speed.

###### "Oneplanet" (Brand New UI of e-Procurement Project)

- Developed the frontend for the Oneplanet project using React.js to create a modern and user-friendly interface.
- Engineered the backend as microservices using Java Spring Boot for enhanced performance and scalability.
- Integrated Redis for efficient caching and RabbitMQ for message event handling.
- Implemented data indexing using Solr
- Proficient in utilizing Jenkins, for building, testing, and deploying software applications. Experienced in setting up and configuring Jenkins pipelines to streamline the software development lifecycle.

##### Online Auction and e-Marketplace Platform:

###### Frontend

- Initiated the development of authenticator middleware and base component applications using React.js.
- Crafted the marketplace's user interface using React.js.

###### Backend:

- Implemented microservices using Java Spring Boot.
- Integrated Redis for efficient caching, Kafka for seamless message event handling, Quartz for precise job scheduling, and minIO for robust file management.
- Developed a data monetization component.
- CI/CD, using Jenkins as well

# NARKKHARUX TRIPIYARATANA

## SOFTWARE ENGINEER

### LANGUAGES

- Thai (Native)
- English (Intermediate)



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### WORK EXPERIENCE

#### Software Engineer (Internship)

Mycos Technologies, Chiang Mai

May 2017 - August 2017

- Focused on studying and actively developing projects utilizing the C# programming language.
- Gained valuable practical insights into software development, coding best practices, and the C# technology stack.
- Collaborated closely with the development team on multiple projects, contributing to the design, implementation, and testing phases.

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### EXTRACURRICULAR EXPERIENCE

Department of Computer Science, Chiang Mai University

Completed a senior project showcasing expertise in:

- Web development using Angular 5.
- Real-time database management with Firebase.
- Game design principles.

Actively participated in the "Bowling" Robotics Challenge of the World Robot Olympiad (WRO) Thailand, demonstrating:

- Dedication to robotics (design and programming to perform specific tasks)
- Exceptional teamwork and collaboration skills.
- Success in a competitive, team-based environment.