

Patsakorn Boonkerd

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EXPERIENCE

Agoda

August 2023 – Present

Backend Engineer Intern

Bangkok, Thailand

- Streamlined operations by designing and developing a new API endpoint using ASP.NET Core, reducing a multi-day process to few minutes.
- Automate email sending system to eliminate the need to manually send email to partners, improving efficiency
- Migrated large .NET Framework legacy application to .NET Core and deployed to private cloud
- Visualized data using SQL in Apache Superset for our stakeholders
- Integrated code coverage tool into the Continuous Integration (CI) pipeline, leading to improvements in code quality
- Worked in an Agile environment to enhance efficiency and productivity

PROJECTS

Spotify Quiz ([source](#), [demo](#)) | *NextJS, ReactJS, Playwright*

- Developed a quiz web app using NextJS utilizing Spotify API with 4 other people
- Integrated vercel for serverless web app
- Used Playwright for e2e testing

Novel Reader ([source](#)) | *Python, Flask, Jinja, MySQL*

- Developed a full-stack content management system web application for novel with 2 other people
- Design and implemented the schema for the web app
- Worked on both frontend and backend
- Implemented an account system completes with bookmarks for each user

Rust Chip8 ([source](#)) | *Rust, winit, cpal, pixels*

- Developed an interpreter for Chip-8 programming language
- Used low level crates such as winit and cpal
- Implemented all opcodes according to the original specification
- Utilized multithreading to get accurate CPU cycle timing

IC Shell ([source](#)) | *C*

- Developed a shell program using C
- Utilized parallelism to execute background and foreground jobs
- Implemented most basic features such as redirection, scripting, and etc.

EDUCATION

Mahidol University International College

Nakhon Pathom, Thailand

Bachelor of Science in Computer Science, Minor in Japanese

Sep. 2019 – Jul. 2024 (Expected)

TECHNICAL SKILLS

Languages: Java, Python, Rust, C, Scala, MySQL, HTML/CSS, JavaScript

Frameworks: Flask, SQLAlchemy, Spring Boot, JPA, Next.js

Tools: Git, Docker, Unix, Vercel, Digital Ocean

Libraries: pandas, NumPy, Matplotlib

ACTIVITIES

Codegoda

April 2023

- Attended Agoda hosted code competition

LANGUAGES SKILLS

Thai: Native

English: C1 (IELTS 7.0)