

# Patsakorn Boonkerd

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## EXPERIENCE

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### Freelance

May 2024 – July (2 months)

*Freelance Full Stack Software Engineer*

*Bangkok, Thailand*

- Integrated crypto payment gateway solution (OxaPay) for an online entertainment website
- Developed user authentication and reset password functionalities for enhanced security

### Agoda

August 2023 – April 2024 (8 months)

*Software Engineer Intern (Backend)*

*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

## EDUCATION

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### Mahidol University International College

Nakhon Pathom, Thailand

*Bachelor of Science in Computer Science, Minor in Japanese*

*Sep. 2019 – Jul. 2024*

## PROJECTS

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### Homelab | *Proxmox, Docker, Portainer, Tailscale*

- Installed and configured Proxmox on a spare computer
- Create and configured Debian VM on Proxmox
- Utilized Portainer to host various web applications and game servers on the VM
- Integrated Tailscale to enable secure remote access to Proxmox and bypass CGNAT

### 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.

### 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

## TECHNICAL SKILLS

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**Tools:** GitLab CI/CD, GitHub Action, Docker, Proxmox, Bash, Git, Unix, AWS

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

**Framework:** .NET Core, .NET Framework, SolidJS, ExpressJS

## LANGUAGES SKILLS

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**Thai:** Native

**English:** C1 (IELTS 7.0)