



PHENG BUNATH

DevOps Engineering

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About Me

I am Pheng Bunath, a fourth-year computer science student at the Royal University of Phnom Penh, with practical experience in software development and deployment. I have completed a comprehensive training program at the Korea Software HRD Center, where I worked on full-stack development projects and gained hands-on exposure to cloud platforms, CI/CD pipelines, and infrastructure automation. I am passionate about optimizing software delivery processes, improving system reliability, and leveraging modern DevOps practices to create efficient and scalable solutions.

Technical skills

- DevOps & Cloud:** Kubernetes, Docker, Helm, GitHub Actions, CI/CD Pipelines, Nginx.
- Backend:** Spring Boot, RESTful APIs
- Architecture & Design:** SOLID principles, OOP, REST API design, and microservices architecture.

Education

- Bachelor of Computer Science** Rupp University Jan 2022 - Present
- Korea Software HRD Center (KSHRD)** Basic Course: February 3 – July 10, 2025 Advanced Course: July 28th – December 11th, 2025 Jan 2025–Present
- Institute of Science and Technology Advanced Development (ISTAD)** 2024- 2025

Experience

- English Club:** Education Platform 2024 – 2024
Institute of Science and Technology Advanced Development
The English Club is a friendly and supportive place for students to practice and improve their English skills. Our club focuses on speaking, listening, reading, and writing through fun and interactive activities. Members can join discussions, group games, presentations, and real-life conversations to build confidence in using English.
- Selamounty:** Digital Cultural and Educational Platform / Virtual Museum Hub 2025 – 2025
Korea Software HRD Center
Selamounty is an innovative digital platform created to bring together museums and cultural experiences from around the world in one accessible space. Our mission is to help people explore and appreciate the richness of global history, art, and heritage, no matter where they are.
- SmartOps:** Automation platform 2025 – 2025
Korea Software HRD Center
SmartOps is an automated platform that handles the entire deployment lifecycle for you. We provide a seamless bridge from your code repository directly to a live, production-ready application. Our mission is to make deployment so simple, fast, and intelligent that it feels like magic, saving valuable time so developers can focus on building features, not managing infrastructure.

Technical training

- Basic Course Training | Jan 2025 – Jul 2025**
 - Led and managed the implemented UI/UX components following modern web design principles to ensure consistency and accessibility .
 - implement frontend team to develop a responsive web application using Next.js and TypeScript for both coding challenges and the final project

- **Linux, Docker, Version Control (GitHub) and UI/UX.**
- **J2SE (Basic Java and OOP concepts), J2EE (Maven and MVC pattern)**
- **HTML, CSS, JavaScript, CSS Flexbox, Tailwind CSS, JSON, Next.js**
- **Database : Data Modeling, PostgreSQL, SQL(Basic SQL)**
- **Other Tools: VS Code, IntelliJ IDEA, Postman, Prisma ORM**

Soft skills

- Collaboration – Work effectively with cross-functional teams.
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- Problem-Solving – Find and fix issues efficiently.
- Adaptability – Adjust quickly to new tools and changes.
- Time Management – Prioritize tasks to meet deadlines.
- Accountability – Take ownership of responsibilities.
- Leadership – Guide and support team members.

References

- Mr. Tan Dara/ IT Instructor a Software HRD Center
Email: tandara120403@gmail.com,
Phone number: (+855) 87 408 530
- Mr. Sok Polen / Student Affair Manager at KSGA
Email: polen.hrd@gmail.com
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- Miss. Sovan Lina / IT Instructor a Software HRD Center
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- Mr. Doeun Kongden / IT Instructor at leader at KSHRD
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Interests

- Cloud Computing – Exploring AWS, GCP, and container orchestration tools
- **Automation** – Building pipelines and improving deployment efficiency.
- Open Source – Contributing to or learning from community projects.

- This workflow diagram shows the overall process of the E-Learning Management System, illustrating how users register, access their dashboard, learn through courses, complete quizzes, and view their progress. It provides a clear overview of how data flows between users, the frontend, and the backend systems.
- Integrated frontend with backend RESTful APIs, handling authentication workflows with JWTs with next auth .
- Collaborated closely with backend developers to ensure seamless data flow and resolve integration issues.

Advanced Course Training | Jul 2025 - Present

- Accepted into the DevOps Advanced Course, focusing on modern CI/CD, containerization, and cloud infrastructure
- Implementing CI/CD pipelines using Jenkins, GitHub Actions, and Argo CD for automated deployment.
- Gaining hands-on experience with Linux, Docker, and Kubernetes for deploying and managing containerized applications.
- Managing infrastructure automation with Ansible and exploring GitOps workflows for continuous delivery.
- Practicing monitoring and observability using Prometheus, Grafana, and Nagios to ensure system reliability.

Foundation 2 generation (ISTAD)

- Studied Java to develop backend functionality and handle data processing.
- Learned and practiced React for building dynamic and interactive frontend interfaces and Redux Toolkit for efficient state management in React applications
- Applied knowledge in a project-based training environment to strengthen practical skills.

- System Monitoring – Experimenting with tools like Grafana and Prometheus.
- Web Development – Creating and optimizing full-stack applications.
- Problem-Solving Challenges – Enjoy solving real-world technical problems.
- Learning New Tools – Continuously exploring modern DevOps technologies.

LANGUAGES

- Khmer (Native)
- English