

Rotha Dapravith

Software Developer and DevOps

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Nationality: Cambodia ◇ Gender: Male ◇ [LinkedIn](#) ◇ [Portfolio](#) ◇ [GitHub](#)

ABOUT ME

I am a motivated software developer with experience in full-stack development and DevOps. I've worked with Java, Spring Boot, NestJS, Docker, and CI/CD pipelines to build clean, scalable systems. I enjoy solving practical problems, writing maintainable code, and learning new technologies through real projects. I'm currently focused on building secure, backend-heavy applications with modern architecture.

EXPERIENCES

Java Developer & DevOps

Oct '24 — Present

General Secretariat of Digital Government Committee

Phnom Penh, Cambodia

- Design, develop and maintain new features applications.
- Implement and maintain feature using Springboot framework.
- Develop and integrate Single Sign-On(SSO) solutions, OpenID Connect using Keycloak as an authentication service.
- Troubleshoot, debug, and optimize application performance.
- Implementation and maintenance of CICD pipelines with GitHub Actions.
- Monitor system performance and resolve issues to ensure the system works smoothly.

Software Development system and DevOps Intern

Feb '24 — Jul '24

General Legal Council of Ministry of Economy and Finance

Phnom Penh, Cambodia

- Contributed to DevOps Integration and SSO initiatives.
- Managed automation deployment, Dockerized applications, web server configuration, and secure sites.
- Set up Telegram for project deployment monitoring and Jenkins' CI CD pipeline process alerts.

Web Developer internship

Jul '23 — Oct '23

Institute of Technology of Cambodia

Phnom Penh, Cambodia

- Utilized MERN Stack (MongoDB, ReactJS, NodeJS, ExpressJS).
- Utilized mobile apps for QRCode scanning.
- Integrated with API using Postman.

DevOps Trainee

Feb '23 — May '23

Camcyber Digital Tech Team

Phnom Penh, Cambodia

- Completed DevOps training covering modern toolchains and practices
- Hands-on with Linux command line and server configurations
- Used Ansible for configuration management and basic Docker Swarm orchestration
- Monitoring Application used Grafana and Prometheus, Loki

SKILLS

Programming C, C++, Python, Java, JavaScript, TypeScript

Web Development ReactJS, Angular, Vue, NodeJS, ExpressJS, NestJS, Springboot, Java, Laravel, RESTful API

DevOps Docker, Jenkins, Kubernetes, Nginx, CICD, Ansible

Security Management Single Sign-On, JWT, OAuth2, OpenID Connect

Database Management MySQL, MongoDB, PostgreSQL

Version Control GitLab, GitHub

Design and Prototyping Draw.io, UML

System Architecture Monoliths, Microservices Development

Languages Khmer, English

PROJECTS

Single Sign-On System and DevOps (Final Year Internship Thesis) [Link](#)

- Secure web client application with SSO system.
- Authorized token with OAuth2.0.
- Record user session, applications and device activity status.
- CI CD, GitLab, Docker, Nginx and Jenkins for automated deployment.

E-Commerce Management System [Link](#)

- Technologies: ReactJS, Tailwind CSS, ExpressJS.
- Using MongoDB database.
- Version Control GitLab.

- Provision: Trello
- JWT Authentication

Delivery Service Management System (Year4 Internship Thesis) [Link](#)

- UI Design with Figma.
- Using ReactJS and Integrate REST API ExpressJS.
- Build QR-Code on mobile device use React-Native.

Accessories Store Management System [Link](#)

- Frontend: VueJS, and Tailwind CSS.
- Backend: Laravel.
- Database: MYSQL.
- Hosting: Hostinger.

GIC Coffee Management System [Link](#)

- Backend: Java Springboot.
- MYSQL Database.
- Implement with Spring Security.
- Frontend: HTML, Tailwind CSS

Microservices Project [Link](#)

- Backend: Java 21+, Spring Boot, Maven
- Containerization: Docker, Docker Compose
- Orchestration: Kubernetes (Minikube, kubectl)
- Security: OAuth2 (Keycloak integration planned)

EDUCATION

Bachelor's Degree in Computer Science, Institute of Technology of Cambodia (GPA: 3.0)

Nov '19 — Jul '24
Phnom Penh, Cambodia

- Graduated Computer Science Degrees from Department of Information and Communication Engineering

High school diploma in High school diploma in General Khmer Program, Russey Keo High School

Oct '13 — Aug '19
Phnom Penh, Cambodia

- High School's Diploma

CERTIFICATIONS

Computer Science Engineer's Degree