



Raksmeay Pol

FULL-STACK DEVELOPER

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Phnom Penh, Cambodia
DoB: 2004-08-30

PROFILE

Backend Developer & DevOps Engineer specializing in secure, scalable architecture. Expert in building RESTful APIs, integrating KHQR payment gateways, and managing Linux-based infrastructures. I focus on bridging the gap between rapid feature delivery and system stability through CI/CD automation, containerization, and clean architecture principles.

EXPERIENCE

Project Manager & Backend Developer March 2026 – Present

CampusLink (Course Project) | AUPP, Phnom Penh

- Leading a cross-functional team of developers and designers to build a centralized campus platform, managing sprints and project milestones to ensure timely delivery.
- Architecting a scalable backend using a microservices-ready structure, focusing on high availability for student and faculty authentication.
- Designing and implementing secure RESTful APIs to handle real-time course data, student enrollments, and notification systems.
- Streamlining the development lifecycle by implementing CI/CD pipelines and automated testing, reducing integration errors by 20%.
- Tech Stacks: Next.js, Nest.js, PostgreSQL, Docker, Google OAuth, Telegram Bot, JWT, CI/CD, Git, GitHub Action & WebSocket.
- Productivity Tools: ClickUp, Telegram, Scrum.

Full-Stack Developer Feb 2026 – April 2026

OpenPay (SaaS Project) | Remote | Phnom Penh

- Built and maintained a full-stack Open Banking API platform covering scalable banking integrations, KHQR payment mocking, developer portal web interfaces, and webhook relay workflows.
- Developed responsive, developer-friendly interfaces in Next.js for API documentation, checkout integration testing, and interactive developer dashboards.
- Engineered robust backend services with a Java/Spring Boot REST API implementing role-based access control (RBAC), standardized financial transaction workflows, and banking security protocols.
- Implemented real-time transaction simulation by architecting a secondary mock environment with NestJS APIs and a custom Node.js Bakong Relay

NATIONALITY

Cambodian

SKILLS

Hard Skills

Python, JavaScript, TypeScript, Java, Java (Springboot), HTML, CSS, Django, Flask, TensorFlow, Node.js, Next.js, Nest.js, Angular, Docker, AWS, Google Cloud, DigitalOcean, Microsoft Azure, Git, GitHub, GitHub Action, CI/CD, GitLab, Kali Linux, Arch Linux, Ubuntu, Microsoft Windows, Microsoft 365, CloudFlare

Soft Skills

Collaboration, Problem Solving, Adaptability, Effective Communication, Time Management, Commitment

LANGUAGES

Khmer (Native), English (Fluent), Mandarin (Basics), French (Basics)

REFERENCES

Dr. Tek Ming, Ng – AUPP CO., LTD

Dean of Faculty of Digital Technologies (FDT)
Associate Professor of Faculty of Digital Technologies (FDT)
Contact: 096 455 1506 | Email: n.ming@aupp.edu.kh

ACHIEVEMENTS

Academic: Techo Digital Talent Scholarship 2023 – Receive a full scholarship to Higher Education at AUPP
Academic: 2nd Best Team of VW CTF Competition – Successfully navigated a range of forensic and web exploitation tasks as part of a strong team effort,

service to reliably test webhook notifications.

- Strengthened application security through extensive JWT authentication design, secure reverse proxy configurations, and adherence to strict code quality pipelines (Checkstyle, PMD).
- Improved reliability and deployment consistency through comprehensive Dockerized services (API, Mock API, Web UI, Nginx), structured staging/production environment configs, and CI/CD automation.
- Tech Stack: Java (Spring Boot), Next.js, NestJS, Node.js, Docker, Nginx, OpenAPI/Swagger, KHQR, JWT, Git, GitHub.

Backend Developer & DevOps Engineer

January 2026 - Present

Alumni Connect App (Competition Project) | AUPP, Phnom Penh

- Built and maintained a full-stack parcel delivery platform covering seller, buyer, driver, recipient, and admin workflows with a modular, scalable architecture.
- Developed responsive, user-friendly interfaces in Next.js for authentication, order management, live tracking, and role-based dashboards.
- Engineered robust backend services with Django REST APIs for shipment lifecycle, OTP verification, social login, and notification workflows.
- Implemented real-time delivery tracking using WebSocket-based updates with map integration to improve transparency and delivery coordination.
- Strengthened application security through JWT authentication, OAuth integration, and role/permission controls across all user modules.
- Improved reliability and deployment consistency through Dockerized services, structured environment configuration, and production-ready API organization.
- Tech Stack: Next.js, Django/DRF, PostgreSQL, Docker, JWT, Google OAuth, Telegram Bot API, WebSocket, Git, GitHub.

Full-Stack Developer

August 2025 - December 2025

CamBox (Final Year Project) | AUPP, Phnom Penh

- Built and maintained a full-stack parcel delivery platform covering seller, buyer, driver, recipient, and admin workflows with a modular, scalable architecture.
- Developed responsive, user-friendly interfaces in Next.js for authentication, order management, live tracking, and role-based dashboards.
- Engineered robust backend services with Django REST APIs for shipment lifecycle, OTP verification, social login, and notification workflows.
- Implemented real-time delivery tracking using WebSocket-based updates with map integration to improve transparency and delivery coordination.
- Strengthened application security through JWT authentication, OAuth integration, and role/permission controls across all user modules.

secured 2nd place finish in the competition.

EDUCATION

B.S. in Software Development
American University of Phnom Penh
2023 - 2026

Fullstack Development
ADITI Academy
December 2025 - April 2026

- Improved reliability and deployment consistency through Dockerized services, structured environment configuration, and production-ready API organization.
- Tech Stack: Next.js, Django/DRF, PostgreSQL, Docker, JWT, Google OAuth, Telegram Bot API, WebSocket, Git, GitHub.

Backend Developer

August 2025 - January 2026

CamCyber Digital Team | Cambodia Council of Nurses | Prek Leap, Phnom Penh

- Developed and maintained backend services for Cambodia Council of Nurses to efficiently handle member registration, profiles, and nurses information.
- Designed and implemented RESTful APIs for authentication, data management, and admin, member, & operator workflows.
- Collaborated with frontend and QA teams in an Agile development environment to deliver reliable features on schedule.
- Applied version control (Git) and supported deployment through CI/CD pipelines for consistent releases.
- Performed API testing, debugging, and performance tuning to enhance system stability and user experience.
- Tech Stack: Node.js, Nest.js, PostgreSQL, JWT, REST API, Git, DigitalOcean, Telegram Bot

Software Tester

November 2024 - July 2025

CamCyber Digital Team | Prek Leap, Phnom Penh

- Worked on testing web & mobile application for the AMT association to ensure accurate recording and management of scholarship student information.
- Gained hands-on experience in software testing processes, including test case design, functional and regression testing, bug tracking, and collaboration with developers to ensure software quality, security, and reliability.

Software Development Intern

May 2024 - August 2024

American University of Phnom Penh | Russey Keo, Phnom Penh

- Developing an intelligent Library Assistant leveraging RAG technology, featuring a Flask-based GUI with secure authentication.
- Designing and implementing interactive chat interfaces with a focus on user experience, utilizing HTML, CSS, and JavaScript.

Certification 1

Meta Front-End Developer Certification

Verification: <https://www.coursera.org/account/accomplishments/professional-cert/5YDSZ5YI68N8>



The certificate features a dark blue vertical banner on the left with the Coursera logo and '9 Courses'. The main area is light blue with the Meta logo at the top left. The recipient's name 'Raksmeý Pol' and completion date 'Apr 8, 2025' are prominently displayed. A large, intricate blue geometric pattern is on the right. The bottom contains a disclaimer and a verification link.

9 Courses

Meta

Apr 8, 2025
Raksmeý Pol
has successfully completed the online, non-credit Professional Certificate

Meta Front-End Developer
This 9-course program prepares learners for an entry-level career as a front-end developer.

Meta

Introduction to Front-End Development
Programming with JavaScript
Version Control
HTML and CSS in depth
React Basics
Advanced React
Principles of UX/UI Design
Front-End Developer Capstone
Coding Interview Preparation

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at: <https://coursera.org/verify/professional-cert/5YDSZ5YI68N8>

Certification 2

AWS Cloud Foundations

Verification: <https://www.credly.com/go/bcfgM9Kd>



Raksmeý Pol

Certificate of Completion for

AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed

20 hours

Issued on

11/21/2024

Digital badge

<https://www.credly.com/go/bcfgM9Kd>

Certification 3

Cisco Networking Essentials

Verification: https://www.credly.com/badges/3b2a75f2-415a-4a8a-9262-5f51700aa8eb/public_url



Certificate of Course Completion

Raksmey Pol

has successfully achieved student level credential for completing the Networking Essentials course.

The student was able to proficiently:

- *Explain how end-user devices and local networks interact with the global Internet.*
- *Explain the requirements for network connectivity.*
- *Build a small network using an integrated network router.*
- *Explain the importance of IP addressing.*
- *Explain how the protocols of the TCP/IP suite enable network communication.*
- *Configure an integrated wireless router and wireless clients to connect securely to the Internet.*
- *Configure basic network security and build a simple computer network using Cisco devices.*
- *Troubleshoot common network issues found in home and small business networks.*



Scan to Verify

Lynn Bloomer

Lynn Bloomer
Director, Cisco Networking Academy

Issued on: Apr 30, 2024