



Raksmei Pol

BACKEND DEVELOPER

raksmei.pol.2004@gmail.com
+855 10 722 554
raksmei-portfolio.vercel.app/
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.

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.

NATIONALITY

Cambodian

SKILLS

Hard Skills

Python, JavaScript, TypeScript, Java, HTML, CSS, Django, Flask, TensorFlow, Node.js, Next.js, Nest.js, Angular, Springboot, 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,

- 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.

- 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

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

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.

IT Support Volunteer

Feb 23rd, 2024 - Feb 25th, 2024

CamTESOL | ITC, Phnom Penh

- Setting up and configure IoT devices, including projectors, laptops, and modem/wireless hotspot solutions.
- Provided proactive and reactive technical assistance to presenters and lecturers, ensuring seamless and uninterrupted presentations.

Certification 1

Meta Front-End Developer Certification

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



The certificate features a dark blue ribbon on the left with the Coursera logo and the text "9 Courses". The main area is light blue with a large, intricate geometric pattern on the right. The Coursera logo is in the top left, and the Meta logo is in the top right. The recipient's name, date, and the program title are prominently displayed in the center.

9 Courses

- 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

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.

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](https://coursera.org/verify/professional-cert/5YDSZ5YI68N8)

Certification 2

AWS Cloud Foundations

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



Raksmev 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