



CHANMOLIKA LEAK

BACKEND DEVELOPER

EDUCATION

Bachelor of Software Engineering 2022-2026
CamTech University – Phnom Penh

High School 2019-2022
E2stem Education – Phnom Penh

WORK EXPERIENCE

Royal Group Labs august 2025-now
Role : Documentation and Coordination

- Coordinated team tasks and workflows, tracking Collaboration progress.
- Prepared and maintained documentation to ensure products are commercially ready.
- Collaborated with technical teams to support research and development initiatives.

Floresta January - July 2025
Role : App Developer

- Built and maintained UI components with responsive layouts, forms, lists, and grids.
- Implemented pagination, filtering, sorting, and integrated APIs using TanStack and client-side state management.
- Applied form validation with Zod and handled network errors for reliable user interactions.
- Collaborated on code reviews, pairing, and task management using github project .
- Optimized performance with lazy loading and memoization, and supported testing and production builds.

Wing Bank 2024
Role : Product trainee

- Intern as a product trainee to implement the marketing campaign for customer segment by host a focus group discussion.

CamTech University – Digital University / LMS & Scholarship Management System 2023

Role : Project Manager & Backend Developer

- Led a team of 4 to digitalize university systems and build a custom LMS using Moodle.
- Developed backend services using Express.js, PostgreSQL, Drizzle ORM, REST APIs, and implemented Zod validation to maintain data integrity.
- Designed secure authentication & authorization with JWT and RBAC, and conducted threat modeling and security testing.
- Managed DevOps pipelines with Docker and Kubernetes, monitored apps with Loki & Grafana, and executed stress testing for production readiness.
- Coordinated tasks, documentation, and delivery schedules, ensuring commercially ready software for university and scholarship programs.

CONTACT

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LANGUES

Khmer



English



ENTREPRENEURSHIP

- **Top 1 :** CamTech Idea Competition 2023
- **Top 1 :** KonektAgri Hackathon 2023
- **Runner up :** Incubation innovation 2023
- **Top 2 :** Reverse Innovation 2023
- **Top 3 :** Canadia Hackathon 2023
- **Top 10:** First Global Challenge 2020

TECH STACK

- **Frontend & Mobile**
 - React Native, React, TypeScript, responsive UI
- **Backend & Database**
 - Java, Express.js, Next.js, FastAPI, PostgreSQL, SQL, Drizzle ORM, REST APIs, Zod validation
- **AI & Machine Learning**
 - Python, R, TensorFlow, OpenCV, CNN, model training, data cleansing, AI model deployment
- **DevOps & Cloud**
 - Docker, Kubernetes, GitHub, GitLab, OAuth, Firebase ,AWS, Google Cloud, on-premise hosting, Loki, Grafana, stress testing
- **Security:**
 - JWT, RBAC, Secure Design, Threat Modeling