

NUON HOKSENG

WEB DEVELOPER & DEVOPS



CONTACT ME

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- <https://github.com/Nuon-Hokseng>

ACHIEVEMENT

- Full Sponsorship Recipient, Kirirom Institute of Technology (2024).
- Achieved Grade B in Cambodia's National Baccalauréat II Examination (2023).
- Maintain 2 production systems, zero data-loss incidents

SKILL

Languages: TypeScript, Node.js, React, Next.js, Python, html, Javascript

Infra: AWS, PostgreSQL, Docker, GitHub Actions, WireGuard, MongoDB

Other: REST APIs, CI/CD, Linux

LANGUAGES

- English (Advanced)
- Khmer (Fluent)

REFERENCE

Dr. Dinesh Kumar

Head of Software Engineering Department, Kirirom Institute of Technology.

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KIT Incubation Centre (IC)

Email: incubationcenter@kit.edu.kh



ABOUT ME

Web Developer and DevOps enthusiast specializing in TypeScript, Nestjs and Node.js with hands-on experience building web applications, automating backend workflows, and managing cloud infrastructure on AWS and Supabase. Currently pursuing a Bachelor's in Software Engineering at Kirirom Institute of Technology.



WORK EXPERIENCE

Internship in Kirirom Institute of Technology AUGUST, 2024 - PRESENT

Internship at a Japanese Company (bird-initiative) and (wald-dx)

- Developed and deployed automated backup pipelines integrating GitHub Actions, AWS S3, and Supabase for production-grade data reliability.
- Built full-stack web applications and chrome extension using Next.js, Plasmoids, Node.js, REST APIs, and AI service integrations, delivering end-to-end solutions across frontend and backend.
- Configured and managed cloud infrastructure on AWS and Supabase, handling CI/CD pipelines, API security, and Linux system administration.

Part-time Robotic Teacher at Uot AI & STEM

May, 2026 - PRESENT

Robotics Instructor

- Taught robotics and programming to students using WhalesBot Rocky with hands-on projects.
- Developed lesson plans and practical activities focused on STEM, computational thinking, and problem-solving skills.
- Assisted students in getting fundamental programming concepts through interactive and project-based learning.

Technical Maintainer and Advisor

April, 2026 - PRESENT

Optical Retail Business (Premier Optic & Apex Eyewear)

- Built and maintained a web-based POS and customer management system, Migrated spreadsheet records to normalized Supabase schema with RLS.
- Managed and optimized database performance, data integrity, and system efficiency to support reliable day-to-day business operations.
- Automated nightly DB backups via GitHub Actions; optimized query performance via region migration + indexing



PROJECT HISTORY

- Business Evaluation tool**: Built a business valuation tool for Japanese clients, combining EBITDA-based financial modeling with a qualitative scoring system (Next.js, FastAPI).
- Premier Optic POS**: Built and maintain production POS infrastructure for Premier Optic and Apex Eyewear (Next.js, Supabase), deployed on Vercel behind an EC2 Nginx reverse proxy.
- Genie Property** (Personal Project): Backend developer on a real estate app showing real-time on-sale listings directly on Google Maps; built a scalable backend using a microservices architecture. (Nestjs, Microservices).



EDUCATION

Bachelor of Software Engineering

2024 - 2028

Kirirom Institute of Technology | Koh Pich, Cambodia

GPA: 3.2 / 4.0

High School of Hun Sen Chumpuvorn

2021 - 2023

Chumpuvorn High School | Phnom Penh, Cambodia