

Kai Taing

[in LinkedIn](#) | [641-233-0129](tel:641-233-0129) | kaitaing | hangkheangtaing@gmail.com | [GitHub](#)

Innovative systems engineer focused on building scalable backend infrastructure, streamlining legacy systems, and implementing high-performance, secure automation solutions. Skilled in architecting resilient enterprise applications and aligning software delivery with strategic business needs.

Skills

- C# | JavaScript | Python | TypeScript | T-SQL | Dapper | LINQ | CosmosDB | PostgreSQL | Redis | SQL Server | Stored Procedures | ASP.NET Core
- ASP.NET MVC | Web API | Angular | React | HTML5 | CSS3 | Bootstrap | AWS | Docker | Kubernetes | CI/CD | OAuth2 | JWT | CORS | xUnit | Git | Jira
- SSMS | Visual Studio | Clean Architecture | DDD | CQRS | Event-Driven Systems | Microservices | SAGA | SignalR | WebSocket | Kafka | SSIS
- Entity Framework | Load Balancing | Full-Stack | Agile | Kanban | Scrum | Waterfall | GitHub Actions | Bitbucket – *All professional proficiency or above*

Experience

Senior .NET Developer & Core Banking **Sahakrinpheap Microfinance PLC** *Phnom Penh, Cambodia* **09/2021 - 04/2024**

- Designed and delivered a biometric attendance tracking solution with ZK Teco devices, reducing payroll delays by 7 days.
- Unified two-legacy core banking plugin systems into a single .NET application, enhancing productivity and long-term maintainability.
- Engineered a real-time notification system with Telegram Bot API, boosting issue response efficiency and increasing reliability by 99%.
- Improved report processing using SQL indexing and caching cutting average load time from minutes to less than 2 seconds.
- Integrated secure authentication and CORS into web reporting, improving both access control and system compliance.
- Supervised two junior developers and documented workflows to ensure seamless maintenance and continuity in the application's development.
- Upgraded legacy system from .NET Framework 4.8.1 to .NET 7, boosting performance with improved memory management and faster startup times.

.NET Full-Stack Developer **Pathmazing Inc** *Phnom Penh, Cambodia* **03/2021 - 09/2021**

- Developed Python REST APIs and a custom Odoo ERP interface that streamlined client workflows and earned 99% user satisfaction.
- Upgraded to Odoo 14, boosting performance, optimizing eCommerce, streamlining inventory, and expanding automation for smoother operations.
- Integrated ABA PayWay gateway, increasing transaction reliability by 30% and ensuring smoother, faster processing for 1,000+ monthly transactions.
- Developed Khmer Care, a real-time fundraising platform that raised \$70.86K and formed partnerships with 30+ organizations, driving social impact.
- Enhanced Firearms Metrics Platform, streamlining law enforcement reporting and improving data processing efficiency.

.NET & Angular Developer, Part-time **Anakut Digital Solution, Co. Ltd** *Phnom Penh, Cambodia* **04/2021 - 05/2021**

- Handled configuration and customization of Odoo ERP for an e-commerce application.

.NET & Angular Developer **Anakut Digital Solution, Co. Ltd** *Phnom Penh, Cambodia* **10/2020 - 04/2021**

- Designed and implemented a POS system with inventory automation and scale device integration, reducing manual entry errors.
- Delivered full-featured Hotel Management System with real-time booking engine, improving check-in speed.
- Built an end-to-end Clinic Management System with appointment scheduling, notification triggers, and patient tracking, reducing wait times.
- Managed the setup and customization of Odoo ERP to enhance the functionality of an e-commerce application.

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Education

Master of Science

Maharishi International University

Fairfield, Iowa, USA

04/2024 - Present

- Major in Computer Science

Bachelor of Science

Royal University of Phnom Penh

Phnom Penh, Cambodia

2016 - 11/2020

- Major in Computer Science

Projects

- **Consulting for Angkor Milk Company:** Optimized memory usage and query performance in a meal reporting window application, addressing inefficiencies in database queries within a 2-day engagement.
- **Personal portfolio website:** Developed a personal portfolio to show case my interests, blog posts, professional experiences, and projects. Implemented version control using Git and automated the deployment process with CI/CD pipelines. The website is deployed using Netlify for seamless and efficient hosting.
- **Job Tracker Platform:** Designed and developed a job tracking platform using .NET micro services and Angular, following Clean Architecture and Domain-Driven Design (DDD) principles; implemented MongoDB for data persistence, Kafka for inter-service communication, JWT and OAuth 2.0 for secure authentication, and SMTP for email notifications—enabling users to post jobs, apply, and receive real-time updates on their application status.
- **Media Platform:** Built and deployed a modular .NET Web API platform using Clean Architecture and Domain-Driven Design (DDD), containerized with Docker, automated via CI/CD pipelines, and secured with role-based access, email verification, JWT authentication, and OAuth 2.0 for protected routes.

Achievements and Certificates

- SQL - Advanced: Hacker Rank (04/2025)
- Building Scalable Applications Apache Kafka Essential Training: LinkedIn Learning course (03/2025)
- Building and Securing Restful APIs in .NET: LinkedIn Learning course (03/2025)
- Designing RESTful APIs: LinkedIn Learning course (03/2025)
- Practical GitHub Actions: LinkedIn Learning course (03/2025)
- Problem Solving - Intermediate: Hacker Rank (02/2025)
- Khmer Care: Recognized as 2021 Best Project and Team Effort: Pathmazing Inc (2021).