

# KAI TAING

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## .NET DEVELOPER

Experienced Software Developer with over three years of expertise in designing, developing, and maintaining enterprise-level applications using C#, ASP.NET, and .NET Framework. Skilled in full-stack development, core banking systems, and data management, delivering innovative solutions that enhance operational efficiency and streamline workflows. Adept at implementing scalable architectures, optimizing database performance, and adhering to best coding practices to ensure robust, maintainable software. Proven ability to collaborate with cross-functional teams, aligning technical solutions with business objectives. Dedicated to staying ahead in emerging technologies and continuously refining skills to deliver impactful and future-ready software solutions.

- Full-Stack Development • Enterprise Application Development • Core Banking Systems • Database Management
- Data Management and Optimization • System Integration and Automation • Problem Solving and Debugging
- Scalable Architecture Design • Continuous Learning and Adaptability

**Languages:** C#, JavaScript, Python

**Web:** HTML, CSS, HTTP, JSON

**Web Services:** REST, SOAP

**Web/App Servers:** IIS

**Frameworks:** .NET Framework, ASP.NET, Laravel, CodeIgniter, React.js, Node.js, Next.js

**Databases:** MS SQL Server, MySQL, PostgreSQL, Oracle

**Design Patterns:** Repository, MVC, Observer

**SDLC:** Agile, Waterfall

**Tools:** Visual Studio, Visual Studio Code, PyCharm, SQL Server Management Studio, Git, Docker, JIRA, GitHub, AWS

**Platforms:** Windows 10, Windows Server, Linux (CentOS, Ubuntu)

**Big Data:** HDFS, Hive, HBase, Sqoop, Flume

**Application/Software:** Odoo ERP, ZKTeco, Fingerprint Readers

## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### **SAHAKRINPHEAP MICROFINANCE PLC, Phnom Penh, Cambodia • 09/2021 – 04/2024**

A financial institution in Cambodia, specializing in providing loan and savings services.

#### **Senior Core Banking Officer**

Developed and maintained software applications for core banking systems, including windows and web platforms. Delivered full-stack development with a focus on automation, operational tools, and user experience improvements.

- Consolidated two core Windows applications into a single solution using .NET Framework, improving efficiency, simplifying maintenance, and reducing complexity for development and operations teams.
- Developed and optimized new features in the core banking plug-in with MS SQL, ensuring faster database interactions, reducing manual processes, and enhancing overall system functionality.
- Streamlined monthly reporting workflows by designing advanced stored procedures in MS SQL, achieving twice the speed of report generation while efficiently managing large-scale data processing tasks.
- Implemented Telegram bot integration for real-time push notifications, ensuring proactive detection and resolution of data consolidation failures, which improved system reliability and data integrity.
- Maintained and improved a legacy reporting website by developing new SQL stored procedures for dynamic reporting and bug fixes, utilizing ASP.NET and adhering to the MVC design pattern.
- Developed an automated Reporting System with ETL processes, consolidating data from multiple sources and displaying results via a PHP Laravel interface, improving data accessibility and transparency by 99%.
- Developed an Attendance Checker tool integrated with ZKTeco API and MariaDB, automating employee attendance tracking for over 200 employees, significantly reducing payroll delays, and eliminating manual errors.

**Technologies Used:** C#, .NET Framework, ASP.Net, Laravel, HTML, CSS, Bootstrap, JavaScript, jQuery, MS SQL Server, PostgreSQL, MySQL, MariaDB, Visual Studio Code, SSMS, Git, Telegram Bot API, MVC, ETL.

**PATHMAZING INC, Phnom Penh, Cambodia • 03/2021 – 09/2021**

Software Development Company.

**Web Developer**

- Implemented Odoo ERP Web Portal and Web API for enterprise clients using Python (Odoo framework) and RESTful APIs, successfully fulfilling custom requirements and achieving a 95% customer satisfaction rate.
- Integrated the ABA PayWay payment gateway into the Odoo platform, enabling seamless online transactions and improving payment processing efficiency for clients.
- Developed the KhmerCare web application for fundraising campaigns using Next.js, successfully hosting 198 campaigns and being recognized as the company's most impactful project of the year.
- Designed and deployed a Firearms Metrics Platform (SFMP) using React.js for law enforcement agencies, providing a streamlined interface and reducing reporting delays by 30%.
- Optimized database queries for Odoo ERP modules using PostgreSQL, improving data retrieval times by 50% and enhancing overall system performance.

**Technologies Used:** Python (Odoo Framework), JavaScript (React.js), PostgreSQL, Visual Studio Code, PyCharm, Git.

**ANAKUT DIGITAL SOLUTION CO. LTD, Phnom Penh, Cambodia • 10/2020 – 05/2021**

Software Development Company.

**Web Developer**

- Developed a Point of Sale (POS) web application system using PHP (CodeIgniter), providing businesses with streamlined inventory and sales management tools tailored to their needs.
- Customized and enhanced a Hotel Management System using JavaScript and Bootstrap, enabling efficient booking, customer check-in/out processes, and payment tracking to meet dynamic client requirements.
- Designed and implemented a Clinic Management System with PHP (Laravel) and MySQL, featuring appointment scheduling, surgery tracking, and patient management to enhance operational efficiency.
- Integrated the POS system with a scaling machine using Python and MySQL, streamlining operations and enhancing user productivity in daily tasks.

**Technologies Used:** HTML, CSS, JavaScript (jQuery), Bootstrap, PHP (Laravel & CodeIgniter), MySQL, Visual Studio Code, Git.

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**ACADEMIC PROJECTS**

**Maharishi International University (2024)**

- **MEAN Restaurant:** The MEAN Restaurant project is a web app for managing restaurant data, completed within a weekend. It supports user registration, CRUD operations for restaurants and dishes, and role-based access. Registered users can add restaurants, while others can view and filter them. Built with MongoDB, Express.js, Angular, Node.js, Git, and JWT.
- **Real-Time Stock Data Streaming and Visualization:** The Real-Time Stock Data Streaming and Visualization project streams and visualizes stock data using Kafka for ingestion, HBase for scalable storage, and Hive for querying. Spark ensures fast data processing, while Power BI provides real-time insights via ODBC. Built with Kafka, HBase, Hive, Spark, Power BI, Java, and Draw.io.
- **Authentication Web Application:** The Authentication Web Application enables user sign-up, login, and profile management with seamless updates. Built with AWS services, it ensures high availability, security, and scalability. Automated CI/CD pipelines streamline development and deployment. Utilized AWS S3, Lambda, DynamoDB, CloudFormation, CodePipeline, Bash, and Git.

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**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion 12/2026)*

Maharishi International University, Fairfield, Iowa

*Key Courses: Algorithm, Big Data Technologies, Cloud Computing, Modern Web Development*

**Bachelor of Science in Computer Science**

Royal University of Phnom Penh, Phnom Penh, Cambodia (11/2020)