

FINTECH · TAX & INVOICING · AWS CLOUD

ETax: Automated, Compliant Invoicing at Scale

How Sidhyati built a multi-country e-Tax and invoicing platform for organizations across Southeast Asia, cloud-native on AWS and delivered through an AI-driven software development lifecycle.

Multi-country

VAT / GST & local tax support

Automated

Error-free invoice generation

Compliant

Aligned to dynamic tax laws

OVERVIEW

Invoicing is core to every business, and automating it has become essential to eliminate manual effort. Invoice types vary by organization, and regional tax laws apply VAT, GST, or other local taxes, all of which had to work across multiple Southeast Asian countries. Sidhyati delivered ETax, a quick, error-free invoicing platform, running cloud-native on AWS and built through an AI-driven engineering process.

THE CHALLENGE

Handwritten records were slow and error-prone, and changing tax rates meant costly effort to update invoice formats and calculations.

With many billers each having custom needs, creating one standard e-Tax and invoicing system was difficult. Key factors were performance and scalability, customization, and compliance with government tax laws and data integrity.

OUR APPROACH

We built ETax on AWS, using managed cloud services for elastic scale, high availability, and secure handling of financial data across regions.

Delivery ran on an AI-augmented SDLC: AI-assisted analysis structured multi-region tax rules, AI pair-programming and automated tests sped the build, and AI code review kept quality high across every sprint.

AI × SDLC · ON AWS AI-driven delivery on a cloud-native foundation

01

Discover

AI-structured multi-region tax rules & formats

02

Build

AI pair-programming for modular tax engine

03

Assure

Automated tax-calc tests & AI code review

04

Operate

Cloud monitoring & rapid rate updates

THE SOLUTION

A modular, scalable invoicing platform on AWS that automates generation, adapts to changing tax law, and integrates cleanly with external systems and payment gateways.

■ Automated invoicing

Error reduction and efficiency by design.

■ Scalable architecture

Handles growing transaction volumes on AWS.

■ Modular customization

Flexible configuration per biller's needs.

■ Dynamic tax compliance

Regular updates keep pace with changing law.

■ REST API integration

Seamless connection with external systems.

■ Payment gateways

Client-specific gateways, extensible as needed.

THE IMPACT

- **Efficiency gains:** reduced invoice processing time, boosting operational efficiency.
- **Cost savings:** lowered operational and compliance expenses.
- **Scalability:** supported growth without performance issues.

- **Error reduction:** minimized invoicing errors, enhancing accuracy and satisfaction.
- **Standardization:** uniformity across organizations, improving clarity.
- **Compliance adherence:** full compliance with tax laws, mitigating risk.