# Satang Budsai

## Senior Software Engineer · Full-stack: .NET, Next.js, Flutter

2.5+ years full-time · open to full-time roles and freelance projects


satang.budsai@gmail.com
github.com/SatangBudsai
linkedin: in/satang-budsai-9290a72b0
satang.dev
Chiang Mai, Thailand


### SUMMARY


Senior Software Engineer at Chanwanich Company Limited, a Thai software house building government systems for the Eastern Economic Corridor. Full-stack in .NET, Next.js and Flutter: I bootstrapped five e-Customs microservices, wrote most of its payment service and set the locking and AI-agent patterns my team of about ten now follows; before that I built the EEC ID identity app (97% of commits). Outside working hours: freelance systems and open-source developer tools.


### EXPERIENCE

**Senior Software Engineer · Chanwanich** — Apr 2026 – Present · 8 mos

Full-time · government systems

Promoted in April 2026 to lead services, standards and reviews on EEC e-Customs (customs, payments and scheduling for companies and officers).

- Bootstrapped five .NET microservices (payment, scheduling, workers, reports, integrations), from first commit to GitLab CI and Kubernetes manifests.
- Main author of the payment service (79% of commits): idempotent payments and webhooks, constant-time callback checks, expiry and a full audit trail; ~250 unit tests.
- Set team standards: PostgreSQL advisory locks for document numbers (now used by five teammates) and Sage, our AI-agent rules and decision records, across 5+ repos.
- Review and approve merge requests for a team of ~10 (about 130 approved since May 2026); main contributor to the 275-case Playwright suite run in every UAT round.
- Owned SSO and sign-in audit logging (no tokens or personal data in logs) and verified the pentest fixes for e-Customs phase 1.

**Full-Stack Developer · Chanwanich** — Apr 2024 – Mar 2026 · 2 yrs

Full-time · web and mobile

Built web and mobile systems in React/Next.js, Flutter and .NET — from an airport website to a government identity app.

- Built the EEC ID Flutter app (97% of commits) and its .NET backend (92%), letting workers verify their identity on a phone instead of at an office — ePassport chip reading, face match and sign-in for partner apps; signed off in SIT and UAT, ahead of launch.
- Got one-tap sign-in from partner apps working on iPhone, where cookies don't carry across apps — tested 7 approaches before choosing one.
- Built the Suvarnabhumi Airport Gate website (Next.js, .NET) and set up its FastReport export reports as a pattern the team followed.

#### OUTSIDE WORKING HOURS

**Freelance Full-Stack Developer · Independent** — Aug 2025 – Present · 1 yr 4 mos

Freelance · outside working hours

- Moved a university research journal to a new platform with nothing lost — 1,014 articles, checked by 25 integrity tests — live since Nov 2026.
- Made the journal's article list load in about 0.1 s instead of 41 s by loading only what's on screen (measured on a local production build).

**Open-Source Developer · Personal projects** — Jan 2026 – Present · 11 mos

Personal projects · outside working hours

- Qorstack Report: a Word/Excel-to-PDF document API with SDKs on NuGet and npm; renders certificates in a government e-service (43 GitHub stars).
- Git Control for Orca: PRs/MRs and pipelines for GitHub, GitLab and Bitbucket; checking changes about a third faster (162 → ~106 ms); outside pull requests merged.

**Junior Full-Stack Developer (Internship) · Chanwanich** — Dec 2022 – Mar 2024 · 1 yr 4 mos

Internship · while finishing my degree

Built websites with React and Node.js (Express), designed a platform where users browse, compare and contact OEM brand manufacturers, and kept 200+ sub-district hospital websites in Lampang running.

### SKILLS

**Front end**

TypeScript · Next.js · React · Tailwind · Flutter · Dart

**Back end**

.NET / C# · NestJS · Express · Rust (Tauri)

**Data & infra**

SQL · PostgreSQL · Redis · RabbitMQ · MinIO · Docker · Kubernetes · GitLab CI

**Quality & tooling**

Playwright · k6 · SonarQube · OpenAPI

### EDUCATION

**B.Sc. Digital Industry Integration**

Chiang Mai University · First-class honours

Mar 2024

### AVAILABILITY

Open to full-time roles and freelance projects

Chiang Mai, Thailand · UTC+7

Freelance and open source are done outside working hours