TRAN DAI VIET

Technical Leader | .NET

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SUMMARY

Engineering leader with 12+ years in software development and 6+ years leading teams of 8–12 engineers across booking, payment, hospitality, and real-estate platforms. Currently leading development of Vingroup's VPT booking & payment platform (Vinpearl, VinWonders). Hands-on with .NET microservices, payment-gateway integrations (NAPAS, VietQR), and AWS. Applies AI coding agents and custom skills to speed up review, security checks and release workflows. Seeking an Engineering Manager / Technical Lead role on complex, high-traffic systems.

KEY SKILLS

Languages: C#, .NET (ASP.NET Core, EF Core), Node.js, TypeScript

Databases: SQL Server, MySQL, PostgreSQL, MongoDB, Redis

Cloud & Infra: AWS, GCP, Kubernetes, Docker, GitLab CI/CD, Elasticsearch, Datadog

Payments: NAPAS APG, VietQR, OAuth2, RSA request signing, reconciliation pipelines

Leadership: Team management, hiring, performance reviews, mentoring, Agile, release management, DevSecOps

AI-assisted engineering: Claude Code, agent workflows, custom skills and project rules for code review, security review and release

WORK EXPERIENCE

Vinsmart Future (Vingroup) | **Team Leader** *Aug 2025 – Present*

- Lead the development team behind the VPT booking & payment platform serving Vinpearl and VinWonders (booking websites and MyVinpearl app) — 9 backend microservices in production, with the core hotel-booking API handling 7M+ requests/month.
- Own end-to-end delivery (sprint planning, production release management, architecture/code review, post-deploy verification) across .NET/Node.js microservices (payment, order, tour APIs) and two booking frontends, including security review.
- Work with product owners to break requirements into technical designs.
- Led NAPAS APG payment-gateway integration: OAuth2 client-credentials flow, RSA-signed verify/notify webhooks, inline VietQR payments, and an automated daily reconciliation pipeline with scheduled dispatch and reporting.
- Delivered phase 1 of a promotion-stacking engine spanning payment, order, and tour services.
- Drive security hardening: attack-surface reviews, 2FA rollout, DevSecOps practices, and internal security compliance.
- Standardize shared packages and security baselines across services; trace production issues with Datadog.
- Grow the team through hiring, performance reviews and mentoring; responsible for system capacity planning (H2/2026 roadmap).

Vinpearl | **Team Leader** *Oct 2024 – Aug 2025*

- Led an 8-member team developing and maintaining the hotel booking (Vinpearl) and amusement park (VinWonders) booking systems on .NET Core, Node.js, MySQL, Redis, and AWS.
- Owned architecture and code reviews across booking microservices (order, payment, tour) and coordinated integrations with internal Vingroup systems.
- Managed sprint planning, task assignment, and release schedules, ensuring timely and stable deliveries.
- Platform and team transferred to Vinsmart Future in Aug 2025; continued leading the same product.

Hproptech | **Technical Leader** *Aug 2022 – Jul 2024*

- Technical Leader for real-estate platforms H-Agency (agency management) and H-Network (real-estate network with document tracking and investment planning).
- Designed system architecture, led code reviews, and enforced coding standards across backend teams.
- Improved system performance and reliability; operated services on Kubernetes.
- Worked with product owners to analyze requirements and break them into technical designs and deliverable milestones.

VinHMS | **Senior Developer – Technical Leader** *Apr 2020 – Aug 2022*

- Developed digital-transformation systems for Vingroup's hospitality businesses (Vinpearl), including AMS (Asset Management System) and CRS (Central Reservation System).
- Built and managed a 12-member team (backend, frontend, mobile) delivering AMS to Vinpearl, Vinhomes, and VincomRetail.
- Architected the platform as microservices with micro-frontends on GCP, using .NET 5, PostgreSQL, and ReactJS.
- Owned analysis and design, code review, performance optimization, and production support.

Saigon NewPort Corporation | **Technical Architect** *Jun 2019 – Mar 2020*

- Built the corporation's single sign-on platform with IdentityServer4 on ASP.NET Core and SQL Server, unifying authentication across internal systems.
- Designed and implemented a centralized logging platform (Serilog, Elasticsearch, Kibana) adopted across projects.
- Researched new technologies and standardized base frameworks and architecture for new internal projects.

Vietmap Co. Ltd | **Full Stack Developer** *Jan 2014 – Sep 2018*

- Full-stack developer on taxi monitoring and booking systems (1Taxi, Vehicle Monitor) for Vinataxi — a real-time ride-hailing dispatch platform.
- Built real-time GPS tracking, trip dispatching, booking, and reporting features across WinForms clients, web, and mobile backends.
- Developed and maintained internal company projects and supported production operations.

HIGHLIGHTED PROJECT

VPT Booking & Payment Platform — *Vinpearl / VinWonders | 2024 – Present*

- Architecture: 9 backend microservices on AWS (.NET Core, Node.js — hotel, order, payment, voucher, flight, identity, reporting) plus two customer booking frontends; MySQL and Redis; observability with Datadog. Core hotel-booking API serves 7M+ production requests/month.
- Payment domain: NAPAS APG integration with OAuth2 client-credentials, RSA signing over raw payloads, verify/notify (IPN) webhooks with HTTP-status ACK semantics, and inline VietQR with configurable expiry windows.
- Built an automated daily reconciliation pipeline: paginated report ingestion from NAPAS, cron-based dispatch, internal ack workflow, and automated email reporting.
- Delivered a promotion-stacking engine (phase 1) coordinated across payment, order, and tour services and both frontends in a single release train.

EDUCATION

Hanoi University of Science and Technology | **B.Sc. Computer Science** *Oct 2009 – Sep 2013*