

PROFESSIONAL SUMMARY

- Senior Fullstack Engineer with 10+ years of experience designing and delivering large-scale digital platforms, realtime communication systems, ecommerce ecosystems, enterprise operational tools, and AI-enabled products.
- Strong background in frontend architecture, system design, cloud-based solutions, and technical leadership across SaaS, ecommerce, media, and enterprise environments.
- Experienced in collaborating with Product, Engineering, Infrastructure, QA, and Business stakeholders to define scalable technical solutions, evaluate architectural trade-offs, and drive end-to-end delivery.
- Skilled in modern web technologies, cloud infrastructure, API-driven architectures, ecommerce systems, realtime platforms, and high-performance user experiences serving customers across Southeast Asia and global markets.

TECHNICAL SKILLS

- Frontend: Vue.js 2/3, Nuxt.js 2/3/4, React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, SCSS, Storybook, Pinia, Vuex, Vite
- Backend: Node.js, NestJS, ExpressJS, PHP, Laravel, REST APIs, GraphQL, gRPC, Authentication & Authorization, RBAC, Webhooks
- Database: MySQL, PostgreSQL, MongoDB, Redis, Database Design, Data Modeling
- Realtime & Media: WebRTC, AgoraRTC, Amazon IVS, WebSockets, Video.js, FFmpeg, Canvas API, MediaRecorder API
- Commerce & Enterprise Platforms: Medusa Commerce, Shopify, Magento, WooCommerce, Wix, Seller Portals, Admin Platforms, Operational Dashboards
- State & Data: TanStack Query, Vue Query, React Query, Axios
- Validation & Utilities: Zod, date-fns, lodash, mitt
- Media & Rendering: GSAP, FFmpeg, Canvas API, MediaRecorder API, Puppeteer Rendering, ASS Subtitle Rendering, Lottie, SVGA
- 3D Web: Three.js, React Three Fiber, Drei, WebGL, GLB / glTF, Meshopt, interactive scene controls, rendering performance
- Testing: Vitest, Playwright, Jest, Unit Testing, Integration Testing, E2E Testing
- Cloud & DevOps: AWS, EC2, S3, CloudFront, Route53, RDS, Docker, GitHub Actions, Jenkins, CI/CD, Linux, Nginx
- Architecture & Leadership: Solution Design, System Design, Frontend Architecture, API Design, Cloud Solutions, Scalability & Performance, SDK Design, Design Systems, Architecture Reviews, Technical Leadership, Cross-functional Collaboration

WORK EXPERIENCE

BELIVE TECHNOLOGY

Head of Web Department | 2019 - Present

Joined BeLive during its early growth stage before a dedicated Web Engineering organization was established and helped build the web platform ecosystem, engineering standards, reusable platform capabilities, and frontend architecture foundations that supported the company's regional expansion and journey toward becoming a publicly listed company.

- Architected and delivered realtime livestream experiences using Vue, Nuxt, TypeScript, WebRTC, AgoraRTC, and Amazon IVS.
- Built interactive engagement features including realtime chat, polling, trivia, PK battles, screen sharing, and audience participation modules.
- Designed reusable SDKs, embeddable widgets, and shared frontend foundations adopted across multiple products and enterprise partner integrations, reducing integration effort and improving platform consistency.

- Established SDK versioning and integration strategies that improved maintainability across streaming products and partner ecosystems.
- Led migration initiatives from JavaScript to TypeScript across large-scale frontend applications, improving maintainability, type safety, and engineering productivity.
- Developed scalable frontend architectures shared across CMS, viewer, player, and partner-facing applications.
- Participated in solution design and technical planning across streaming, ecommerce, and enterprise products.
- Defined integration approaches between frontend applications, backend services, cloud infrastructure, third-party platforms, and partner ecosystems.
- Collaborated with engineering and infrastructure teams to evaluate architectural trade-offs, platform scalability, performance optimization, and operational reliability.
- Contributed to technical decisions covering API design, authentication, deployment strategies, observability, and engineering standards.
- Participated in hiring, mentoring, onboarding, and technical leadership initiatives across a Web Engineering team of up to 10 engineers.

ECOMMERCE & ENTERPRISE PLATFORMS

- Contributed to Medusa-based ecommerce ecosystems including seller portals, storefronts, admin platforms, and operational dashboards supporting multi-vendor commerce operations.
- Designed and delivered operational platforms supporting onboarding, order lifecycle management, fulfillment workflows, logistics operations, business verification, audit trails, and role-based access control.
- Implemented business workflows spanning multiple operational domains while ensuring consistency across seller, customer, and administrative platforms.
- Collaborated with backend teams to define API contracts, commerce workflows, inventory management processes, and fulfillment pipelines.

AI PRODUCTS

- Built and maintained AI-powered product interfaces including AI Agent Analysis, AI Claim Processing, AI Content Moderation, and AI Digital Human platforms deployed across enterprise operational workflows.
- Integrated AI-driven capabilities into operational systems while maintaining predictable business workflows and human-in-the-loop processes.
- Designed user experiences covering processing states, partial-result handling, error recovery, approval workflows, and operational monitoring.

REPRESENTATIVE PRODUCTS

- Streaming & Commerce: Grab Live, Rakuten Live, Trendyol Live, Bukalapak Live, Lora SaaS, HyperLive, M1 Live, Tumi Live, Knock Knock Live
- Commerce & Enterprise Platforms: MallPlus CMS, Medusa Storefront, Seller Portal, Admin Platform

Selected Enterprise Customers: Grab, Rakuten, Trendyol, Bukalapak, M1, Tumi

SELECTED SIDE & PERSONAL PROJECTS

Independent work outside the primary full-time role, covering enterprise interfaces, reusable frontend foundations, interactive 3D, robotics visualization, and a modern banking product sample.

- Developed reusable UI component libraries and shared frontend foundations adopted across multiple enterprise products.
- Built data-intensive dashboards, reporting systems, and workflow-management interfaces.
- Worked across both Vue and React ecosystems supporting business and operational applications.
- Improved maintainability through component-driven architecture and scalable frontend patterns.

RIDGEBACK / FRANKA ROBOTICS LAB

- Built an interactive React + Three.js robotics demonstration with differential-drive controls, keyboard and touch input, camera follow, trajectory trail, telemetry, and renderer statistics.
- Implemented validated six-joint forward-kinematics controls while preserving the articulated GLB node hierarchy.
- Optimized the runtime asset with Meshopt and kept simulation logic pure and unit tested.

[Watch 65-second 3D demo](#) →

PERSONAL FINANCE LAB

- Built a customer-facing banking dashboard with Nuxt 4, Vue 3, strict TypeScript, SSR, and a Nitro BFF.
- Implemented accounts, transaction search, exact integer-cent transfers, beneficiaries, idempotency, atomic persistence, recovery, and explicit failure states.
- Used TanStack Vue Query, Zod, MSW, IndexedDB, Vitest, and Playwright across typed browser and backend boundaries.

[Franka Lab source](#) • [Finance Lab source](#)

EARLIER EXPERIENCE

BIGIN

Team Leader | 2017 - 2019

- Led engineering teams of up to 10 members across enterprise software initiatives, architecture planning, and project delivery.
- Designed backend services, database models, deployment workflows, and AWS infrastructure supporting enterprise applications.
- Built CI/CD pipelines using Jenkins, Docker, and deployment automation tools.
- Participated in solution architecture discussions covering scalability, infrastructure planning, deployment strategies, and operational reliability.
- Worked directly with business stakeholders to translate business requirements into technical solutions and delivery roadmaps.
- Evaluated technical trade-offs involving performance, maintainability, scalability, and delivery risk.

INDEPENDENT / FREELANCE

Software Engineer | 2015 - 2017

- Built CRM, CMS, ecommerce, and business management applications using Laravel and modern web technologies.
- Designed and maintained AWS infrastructure including EC2, S3, RDS, and CloudFront.
- Researched and prototyped early WebRTC-based communication applications and realtime collaboration features.
- Developed backend APIs, database structures, and administration tools supporting business workflows.
- Worked directly with clients to gather requirements, define technical approaches, and deliver end-to-end solutions.

BINUMI

Intern Developer | 2015

- Contributed to PHP and Node.js applications.
- Assisted with internal tooling and platform development.
- Researched Elasticsearch, Logstash, and Kibana (ELK) technologies.

KEY ACHIEVEMENTS

- Built and scaled Web Engineering capabilities from the ground up at BeLive.
- Delivered livestream, ecommerce, and AI-enabled platforms used by enterprise customers across Southeast Asia and international markets.
- Worked on products adopted by leading regional brands including Grab, Bukalapak, M1, and Tumi.
- Led engineering teams of up to 10 members across multiple product initiatives.
- Designed reusable SDKs, widgets, and platform foundations adopted across multiple products and partner integrations.
- Contributed to the growth of BeLive from an early-stage organization to a publicly listed company.

EDUCATION

- Bachelor's Degree in Software Engineering - Ho Chi Minh City University of Technology (BKU)

AWARDS

- Most Dedicated Award 2018 - BIGIN