

Professional Summary

- **Senior Frontend Engineer & JS Team Leader** with 12+ years of software development experience, specializing in the **Angular** ecosystem and **Cypress** automated testing.
- Proficient in architecting high-performance, clean, modular Single Page Applications (SPAs) and designing stable E2E testing frameworks from scratch.
- Strong leadership background in mentoring developer teams, establishing strict code quality standards, and collaborating with international clients.

Work Experience

JS Leader & Senior Angular Architect
Bocasay Vietnam

July 2018 — Present

- Lead the frontend engineering team to design, build, and optimize complex Single Page Applications (SPAs) using **Angular (v2 to latest, including Standalone Components, new Control Flow, and Signals)** and **TypeScript**.
- Architected and implemented a comprehensive end-to-end (E2E) and integration automated testing suite using **Cypress** from scratch, increasing test coverage and reducing post-release bugs by over 80%.
- Built a companion **Chrome extension in React** to deliver features that require browser-level access, unlocking capabilities in the main web app that a standard page cannot provide on its own.
- Established coding guidelines, enforced architectural consistency, and managed structured code reviews to ensure clean, high-performance, and maintainable software.
- Developed reactive state management workflows using **RxJS** and **Angular Signals**, resolving complex asynchronous data streams and rendering bottlenecks.
- Mentored and coached junior to mid-level engineers, facilitating tech talks and technical training on modern JavaScript practices.

Team Leader & Senior Developer
Gumi Vietnam

August 2012 — July 2018

- Led full-lifecycle development of diverse software outsourcing projects for international clients, delivering robust web and mobile applications.
- Worked across the entire stack, designing server-side architectures (Node.js/PHP) and building interactive frontend interfaces.
- Developed and published cross-platform mobile applications (native Android/iOS and hybrid frameworks like Cordova) to major app stores.
- Managed dev teams, estimated project timelines, conducted technical interviews, and trained/onboarded new engineers.
- Collaborated closely with Japanese project managers and stakeholders to align technical implementations with business specifications.

Technical Operations Engineer
Viettel Bac Lieu

January 2010 — October 2011

- Managed, monitored, and maintained Base Transceiver Station (BTS) infrastructure and telecom network hardware for Viettel's regional network.
- Actively participated in the regional network upgrade project, transitioning telecom infrastructure from 2.5G (EDGE/GPRS) to 3G mobile networks.
- Diagnosed hardware and transmission incidents, carried out preventative maintenance, and ensured maximum communication channel uptime and stability.

Personal Projects

js-tools.org Ecosystem

A collection of developer tools and resources built entirely in-browser. Ensures absolute user privacy by processing images, background removals, and QR codes 100% client-side.

Core Skills

LANGUAGES

- TypeScript JavaScript (ES6+)
- HTML5 SCSS / CSS3
- Angular v2 → latest AngularJS (v1)
- RxJS Signals Angular Material
- Standalone & Control Flow React
- Node.js Ruby on Rails Python
- Perl C / C++ Objective-C Swift
- Android / iOS Cordova Xcode
- Android Studio Vue jQuery
- D3.js PostgreSQL MySQL
- MongoDB

TESTING

- Cypress E2E Karma / Jasmine
- Integration testing

PRACTICES

- Component architecture
- REST integration
- Code review & mentoring

TOOLS

- Git Docker Nginx Bash
- Linux (Ubuntu) macOS

AI TOOLS

- Claude Code Google Antigravity
- Codex ChatGPT Gemini

Education

Bachelor of Electronics & Telecommunications
Can Tho University
Graduated 2010

SnapCastsnapcast.js-tools.org ↗

Real-time photo casting slideshow platform for live events, allowing guests to broadcast photos instantly from their phones to a shared screen.

ColorQuariumcolorquarium.js-tools.org ↗

Interactive ambient aquarium generator enabling users to customize and control generative virtual fish movements in real time via their mobile devices.