

To Quoc Bao

Senior Software Engineer

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🐙 GitHub

🌐 LinkedIn

Senior Software Engineer with **7+ years** building distributed systems across **insurance, e-commerce, and SaaS platforms**. Expert in **.NET, Golang, Kubernetes, and GitOps**. Delivered high-throughput, scalable systems and owned the full lifecycle from design to production with a focus on performance and reliability.

Work Experience



Feb 2025 - Present

Current 1 yrs 3 mos

Senior Software Engineer

- 📌 **CoverGo** is a Series A **Insurtech** SaaS startup (raised \$17.7M) leading global AI, no-code insurance platform. Enables enterprise insurers to automate the full policy lifecycle in the most flexible, and cost-effective way.
- Built quoting features for **multi-tenant** insurance administration following **Clean Architecture** and **DDD** principles.
- Implemented scalable **.NET 8** backend services, **GraphQL APIs** and modern frontends with **Vue.js**.
- Leveraged **Dapr** building blocks for industry best practices, security, resiliency, and observability.
- Operated **cloud-native containerized** workloads on **Kubernetes** with **FluxCD**.



Oct 2021 - Jan 2025

3 yrs 4 mos

Senior Software Engineer

- 📌 **Upmesh** is a pre-Series A **E-commerce** SaaS startup (raised \$10.5M) that enables seamless purchases through livestreams (Facebook & Instagram), transforming live commerce into an interactive, real-time experience.
- Built a high-throughput **"comments-to-carts"** system on Facebook, processing **10k+ comments/sec** at peak; auto-detected products from comments and responded to customers in near real-time.
- Integrated **Stripe** and **3rd-party logistics**, enabling seamless order processing and fulfillment
- Implemented **full-text search** with **Elasticsearch** for **10M+ records**, reducing latency and improving query speed under load.
- Owned **end-to-end delivery** across the full lifecycle, from architecture design, implementation to deployment, monitoring, and production operations.
- Operated **GitOps** workflows (**FluxCD, Kubernetes, GitHub Actions**), reducing deployment time by **75%** and accelerating time-to-market.
- Architected **integration tests** using **Testcontainers**, reducing environment setup time by **65%** and eliminating flaky tests.



Jan 2021 - Sep 2021

9 mos

Software Engineer

- 📌 Contributed to the development for **Premex Group**, a leading UK medico-legal services provider specializing in insurance claims, medical reporting, and rehabilitation case management.
- Collaborated with UK stakeholders to translate **insurance claim workflows** into clear technical requirements.
- Built a **React.js** portal and **.NET Core RESTful APIs**, streamlining claim processing and data flow.
- Optimized **database queries** and **indexing strategies**, reducing API response times by **~35%** for claim-related operations.
- Set up **CI/CD pipelines** on **Azure DevOps**, enabling automated testing and faster delivery.



Nash Tech.

Dec 2018 – Dec 2020

2 yrs 1 mos

Software Engineer

- ① Contributed to the development of a cutting-edge portal for **Lowell**, a leading European credit management company, streamlining **document management** and improving internal **interactions with courts**.
- Built a **data standardization adapter** to **transform** and **bridge** data between legacy systems and new internal platforms, enabling seamless integration.
- Developed a **Vue.js** feature-rich portal backed by **.NET Core RESTful APIs** and **gRPC** services supporting core backend workflows.
- Implemented **real-time push notifications** using **Azure SignalR** for instant user updates.
- Integrated with **Opentelemetry** for observability, enabling faster incident detection.
- Conducted comprehensive unit tests and integration tests, maintaining a minimum **code coverage of 90%**.



Education



Ton Duc Thang University
Bachelor of Computer Science

2014 – 2018