

Nguyen Hoang Hung (John Nguyen)

Senior Fullstack Developer

Personal Details

- Name: **Nguyen Hoang Hung (John Nguyen)**
- Phone Number: **+84 984961669**
- Email: bettafish6@gmail.com
- LinkedIn: <https://www.linkedin.com/in/hungnguyenhoang1996>
- Github: <https://github.com/bettafish15>
- Leetcode: <https://leetcode.com/u/bettafish6>
- Hackerrank: <https://www.hackerrank.com/profile/Bettafish6>
- My website: <https://bettafish15.github.io>

PROFILE SUMMARY

- Over 6+ years of experience working as a back-end developer on the Node.js platform
- Experience in working as a frontend developer with ReactJS, adept at creating interactive and engaging user interfaces using React, Javascript, and CSS
- Experience in working with asynchronous processing model using queue such as SQS, Kafka, RabbitMQ, BullQueue Redis
- Used to work with serverless computing model using AWS Lambda
- High understanding with both Monolithic and Microservices architecture
- Love to learn and apply Design Patterns to make well-structured codebase
- Good Security mindset, always searching for best practices to make code and system meet security standard.

TECHNICAL STACKS

- **Programming Language:** HTML, CSS, JavaScript, TypeScript
- **Framework:** NestJS, ExpressJS, Fastify, React, Redux, Angular, VueJS
- Database Management System: PostgreSQL, MongoDB
- Queue Services: SQS, Kafka, RabbitMQ, Redis
- Infrastructure and Tools: Github, Kubernetes, K9s, AWS, Kafka, Terraform, CloudFormation, Github Action, Docker, Docker-Compose, Postman, Jira, S3

- Version Control Management: Git
- RestApi, Swagger, GraphQL, Redux, MobX, Storybook, msw, SQS, Kafka, RabbitMQ, BullQueue Redis

EDUCATION BACKGROUND

- Bachelor of Information Security and Insurance at FPT University

LANGUAGE SKILLS

- **English:** Professional
- **Vietnamese:** Native

PROFESSIONAL EXPERIENCE

March 2024 – Now

Fullstack Software Engineer

Webhouse

- **Traveo - B2B SaaS Airline Booking Platform**

Description: Led development of scalable microservices air booking management platform serving 5K+ monthly users across 10+ agencies.

Team size: 3

Role: Fullstack Lead, Solution Architect, DevOps

Responsibilities:

- Architected multi-tenant platform with white-label solutions, reducing client onboarding time
- Built reusable component library with Tailwind and MaterialUI, reducing new feature development time
- Implemented adapter interfaces for flight/payment providers, cutting integration time from 4 weeks to 5 days
- Built event-driven booking system handling 500+ concurrent bookings, 2K+ daily transactions with 99.9% success rate
- Engineered dynamic subdomain routing for 10+ branded portals with 100% uptime

- Established CI/CD pipeline reducing deployment time by 75%; monitoring system with 95% early detection rate
- Designed responsive white-label frontend using ReactJS and MaterialUI, supporting custom themes for 10+ agencies
- Built reusable component library with Tailwind and MaterialUI, reducing new feature development time

Technologies:

- Backend: NodeJS, NestJS, PostgreSQL, Lambda
- Frontend: ReactJS, Amplify, HTML, CSS, Redux, React Router, Tailwind, MaterialUI
- Infrastructure: AWS Services, ELB, RDS, CloudFront, Kafka, CloudFormation
- DevOps: GitHub Actions, CloudWatch, Slack integrations

- **Custom CRM - Search Property Client**

Description: Led development of specialized CRM platform managing \$500M+ in property investments, improving client management efficiency by 60%.

Team size: 3

Role: Solution Architect, Lead Fullstack Developer, Lead DevOps

Responsibilities:

- Built investment planning module with real-time financial modeling, increasing client portfolio visibility by 100%
- Implemented automated pipeline tracking system reducing client onboarding time by 70%
- Developed digital contract workflow cutting document processing time from 5 days to 1 day
- Created RBAC system supporting 50+ users with 99.9% uptime and zero security incidents
- Established CI/CD pipeline with 99.9% deployment success rate and 15-minute recovery time
- Engineered interactive financial dashboard using ReactJS and Recharts, improving client engagement
- Developed responsive admin portal with MaterialUI and AWS Amplify, achieving cross-device compatibility

Technologies:

- Backend: NestJS, PostgreSQL, PDFLib/SignPDF
- Frontend: ReactJS, Amplify, HTML, CSS, Redux, React Router, Tailwind, MaterialUI
- Infrastructure: AWS Services, ELB, RDS, CloudFront, Kafka, CloudFormation
- DevOps: GitHub Actions, CloudWatch, Slack integrations

March 2021 - March 2024

Fullstack Software Engineer

FPT Software

- **Mental Healthcare Platform - Cerebral**

Description: Led architectural transformation of telehealth platform serving 100K+ patients, achieving 40% improvement in system reliability.

Team size: 7

Role: Full-stack Developer - Team Lead

Responsibilities:

- Orchestrated monolith-to-microservices migration reducing deployment time and system downtime
- Built prescription management system processing 50K+ monthly prescriptions with 99.99% accuracy
- Implemented event-driven architecture reducing third-party operation latency by 65%
- Established GitOps with Kubernetes improving deployment success rate
- Designed caching strategy increasing system performance by 70% and reducing API response time by 60%
- Created fault-tolerant architecture achieving 99.99% uptime despite external service disruptions
- Architected micro-frontend framework using Module Federation and React, enabling independent deployment of 6+ applications
- Built comprehensive UI component library with MaterialUI and Tailwind, achieving code reusability across features

Technologies:

- Backend: NestJS, NodeJS, Ruby on Rails, GraphQL

- Frontend: ReactJS, Amplify, HTML, CSS, Redux, MobX, React Router, Tailwind, MaterialUI, Story Book, React Testing Library, Cypress, Micro Front-end
- Infrastructure: Kubernetes, Terraform, AWS (SQS, RDS, Lambda), Kafka
- Tools: Docker, Datadog, Helm, Istio
- Integrations: Stripe, Chargebee, DoseSpot, Twilio

September 2019 – March 2021

Fullstack Software Engineer

VCCorp

- **Lotus Social Network Platform**

Description: Developed high-performance encryption system supporting 1M+ daily transactions, created custom monitoring solution managing 50+ microservices

Team size: 5

Role: Back-end Developer

Responsibilities:

- Built C-based AES encryption module reducing latency by 70% (120ms to 35ms)
- Designed server monitoring dashboard with 99.9% accuracy in issue detection
- Implemented real-time service health tracking reducing incident response time
- Created a custom service that monitors/commands different NodeJS services using pm2
- Developed admin dashboard using VueJS and Tailwind, monitoring multiple services in real-time

Technologies:

- Backend: NodeJS, C, Node-API
- Frontend: VueJS, Amplify, HTML, CSS, Tailwind, Story Book
- Infrastructure: PM2, Redis, AWS, MongoDB, ElasticSearch

September 2018 – September 2019

Backend Software Engineer

FPT Telecom

- **Digital Wallet - Foxpay**

Description: Participate in developing backend development for digital wallet platform

Team size: 12

Role: Backend Developer

Responsibilities:

- **API Integration:** Integrated the app with various banking APIs and payment gateways to facilitate real-time financial transactions.
- **Payment Processing:** Developed and maintained the payment processing logic, ensuring accurate and efficient transaction handling.
- **Database Management:** Managed a secure and scalable database to store user data and transaction histories

Technologies:

- **Backend:** NodeJS, Java SpringBoot, OAuth2.0, JWT, PostgreSQL