Phong Nguyen | Senior Software Engineer

A highly motivated engineer with extensive experience building responsive, scalable, and maintainable software solutions. Proficient in JavaScript, TypeScript, Node.js and modern frameworks like React, Next.js, Remix...

Experience

Senior Software Engineer. Self-employed. Jun 2018 - Dec 2022
- Created a progressive web app for personal productivity, using React, Redux, and Onsen UI; RESTful services with Express and Firestore.
- Created a website that provided programming courses in Vietnamese. Next.js, Redux and Ant Design; RESTful services with Express, Firestore.
- Created programming courses: JavaScript, React, Redux, Express...

Delivery Manager / Architect at FPT Software Malaysia. Dec 2015 - May 2018
FPT is a global leader in software outsourcing with many clients in Malaysia.
- Established FPT as preferred vendor for a large mail & parcel company by completing three projects: a hybrid mobile app for postmen, a large bill payment system, and an e-commerce store.
- Designed a bill payment system for 100+ billers using microservice architecture with RESTful web services and a message broker.
- Designed a payment switch that integrated with 10+ online banking systems and a card payment gateway; deployed to Azure App Service.
- Created high-level designs & technical proposals for project bidding.

Senior Java Developer at Potentiate Sdn Bhd (Malaysia). Aug 2014 - Sep 2015
Potentiate was an Australian market research company where I maintained a Java desktop survey designer, troubleshot online surveys, and developed web apps with PHP and AngularJS for visualizing survey results.

Senior ETL Developer at FPT Software Malaysia. Feb 2010 - May 2014
Designed and implemented ETL solutions for big companies in Malaysia:
- Several data marts for an oil and gas company, including one for retail customer loyalty with 4 million cards and 250K daily transactions.
- Loan management reports for a large commercial bank.

Programming Teacher at Aptech Vietnam. Sep 2008 - Jan 2010
Taught object-oriented programming, Java, MS SQL Server...

Team Lead at FPT Software (Vietnam). Jun 2006 - Jul 2008
Led three different teams of six to ten members on a large project that migrated over 1,000 applications from Lotus Notes to Microsoft SharePoint for a multinational oil and gas company.

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Skills

System Design
Clean architecture, design principles & patterns, domain-driven design, microservices

Languages & Runtimes
JavaScript, TypeScript, Node.js, Cloudflare Workers

Frameworks & Libraries
React, Next.js, Remix, Express, Apollo Server

Databases
MySQL, MongoDB, Redis

Others
Socket.IO, RabbitMQ, Jest, React Testing Library, Cypress, Docker, Cloud computing providers

Education

Bachelor of Engineering (Information Technology)
Posts & Telecommunications Institute of Technology Hanoi (Vietnam), 1999-2003

Master of Science (Business Intelligence & Analytics) Universiti Teknologi Malaysia Kuala Lumpur, 2020-2021