

JONNY NGUYEN

Software Engineer | Solution Architect

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PROFESSIONAL SUMMARY:

Software Engineer and Solution Architect with over 10 years of experience in developing web and mobile applications using both native and hybrid technologies. Proven expertise in solution architecture, full-stack development, and DevOps practices, with a strong track record of leading scalable cloud infrastructure projects on AWS. A collaborative team player with a passion for innovation, continuous learning, and delivering high-quality software solutions.

CORE COMPETENCIES:

- **Technologies:** React, Next.js, Redux, Node.js, tRPC, GraphQL, REST API, MongoDB, PostgreSQL, MySQL, Prisma, Drizzle ORM, Firebase, AWS Services
- **Cloud Expertise:** AWS (Certified Cloud Practitioner, Business Professional), GCP, Terraform, DevOps
- **Mobile Development:** Native/Hybrid apps (Android/iOS SDKs, React Native, Expo)
- **Tools & Frameworks:** Tailwind, Chakra UI, ShadCN, Material UI, WebSocket
- **Languages:** English (fluent), Vietnamese (fluent)

PROFESSIONAL EXPERIENCE:

Tipbox Ltd. - Vancouver, BC

Senior Full-Stack Engineer | Mar 2021 - Dec 2024

- Oversaw the transition of Tipbox from production to commercialization, leading feature development, scaling challenges, and cross-functional coordination.
- Designed, developed, and tested major features to ensure high-quality and scalable solutions.
- Established long-term application architecture in collaboration with cross-functional teams.

Convergence Concepts Inc. - Vancouver, BC

Full-Stack Developer | Jun 2020 - Sep 2021

- Built a complex logistics platform (Lyft Shipping) with AWS, Node.js, MongoDB, React, and React Native.
- Designed and implemented AWS-based cloud infrastructure and real-time data synchronization for mobile apps.
- Contributed to cloud migration projects and infrastructure setups.

National Film Board of Canada (NFB) - Vancouver, BC

Software Developer | Aug 2018 - Jun 2020

- Developed the NFB Films App (cross-platform mobile application) and an interactive CMS using React Native, Redux, Firebase, and Jest.
- Played a key role as app manager, setting up development pipelines and delivering robust solutions.
- Participated in Agile development, achieving high velocity and timely deliveries.

Techlis System Inc. - Coquitlam, BC

Founder - Software Engineer | Sep 2016 - Present

- Developed and published multiple highly-rated Android and iOS apps, achieving over 500,000 downloads with an average user rating of 4.8 stars.
- Explored emerging technologies like blockchain, IoT, machine learning, and AI tools to enhance software capabilities and user experiences.
- Delivered e-commerce websites using NextJS, Gatsby, WordPress and custom solutions.

Ensemble System Inc. - Richmond, BC

Software Engineer | Apr 2012 - Feb 2017

- Developed health monitoring apps (Proteus), Shutterfly photo-sharing platform, and Epix mobile apps.
- Contributed to TLIM website and Adobe WWSC mobile app development using AngularJS, PhoneGap, and Bootstrap.

HSBC Bank Canada - Software House - Burnaby, BC

Web Developer - QA | Sep 2007 - Jun 2008

- Designed and launched the HSBC North America Regional Support Center website.
- Improved team communication and support systems through innovative web solutions.

EDUCATION:

2007 - 2011 | Simon Fraser University - Vancouver, BC

Bachelor of Computer Science (BSc) in Computer Science

- Recipient of Provost's Award Scholarship.
- Completed a year-long internship at HSBC.

2003 - 2005 | Humber College - Toronto, ON

Diploma in Computer Programming

- Graduated with honors (GPA: 85%+).

CERTIFICATIONS:

- AWS Certified Cloud Practitioner
- AWS Business Professional Certification
- Google Analytics Certification

RELEVANT PROJECTS:

- **Maisie Beauty:** Salon booking and management platform with Next.js, NextAuth, tRPC, Drizzle, PostgreSQL, Tailwind, Shad-cn, Vercel. <https://maisiebeauty.com>
- **Tipbox:** Workflow organization platform for the film/movie industry with AWS, Terraform, React, Redux, Prisma, GraphQL, Prisma, and Node.js. <https://www.tipbox.io/>
- **Lyft Shipping:** Built a real-time logistics and transportation platform with AWS, React, React Native, GraphQL, and Node.js.
- **NFB Films App:** Developed a cross-platform mobile app and interactive CMS for managing multimedia content. <https://www.nfb.ca/apps/>
- **Epix Mobile & Shutterfly:** Implemented photo-sharing and video streaming features for large-scale platforms.