



# Patrick Shannon

## Senior Full Stack Software Developer / Team Lead

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### SUMMARY

Versatile professional with a proven track record of delivering value across diverse industries. Skilled in optimizing performance, leading high-impact projects, and mentoring cross-functional teams to achieve exceptional results. Equipped with a comprehensive toolkit of modern programming expertise and technical knowledge. High performer, highly adaptable, dependable, and driven to exceed expectations. A former pilot with a unique combination of leadership, precision, coaching and problem-solving abilities, bringing unmatched value to every project.

### SKILLS

- React / Next.js
- JavaScript, TypeScript
- GraphQL
- Google Cloud Platform (GCP)
- Webcomponents
- Tailwind CSS
- Webpack
- ESLint
- Mozilla contributor
- User Authentication / Security
- Node.js
- Supabase / Postgresql
- NoSQL
- Git / Github
- CI/CD

### EXPERIENCE

#### Senior Full Stack Software Developer / Team Lead - *bbox.digital (remote)*

JAN 2023 - PRESENT

- Leading feature planning and development for multi-million-dollar projects, ensuring timely delivery and high-quality outcomes.
- Integrating the Next.js framework with Tailwind CSS into the existing tech stack to enhance scalability and performance.
- Contributing extensively to frontend and backend systems, delivering robust and maintainable solutions.
- Designing and implementing caching strategies using Google Cloud Platform (GCP), improving application performance and reducing costs.

- Collaborating with clients and stakeholders to provide technical analysis, architecture planning, and comprehensive reports.
- Mentoring and coaching team members, fostering collaboration and boosting team productivity.
- Delivering impactful optimizations and enhancements, driving measurable improvements for client projects.
- Defining project goals and maintaining a clear vision of direction, aligning the team with business objectives.

### **Full Stack Software Developer** - *bbox.digital (remote)*

DEC 2021 - JAN 2023

- Built robust, responsive and scalable frontend systems for a variety of large scale projects. Provided UX improvements and performance improvements to ensure the best possible experience for users.
- Contributed to the development of a unique in-house tool for a custom rendering engine tailored to Webflow projects.
- Architected headless CMS solutions, delivering ongoing analysis and iterative improvements.
- Designed and built Firestore (NoSQL) databases for various web applications.
- Developed APIs using Google Cloud Platform (GCP) products and authored OpenAPI documentation for external APIs.
- Implemented GraphQL queries to improve content APIs and performance.
- Identified and implemented technical improvements to existing infrastructure.
- Created comprehensive technical training documentation to support client onboarding and usage.

### **Webflow Expert (Freelance)** - *Upwork (remote)*

MAY 2021 - DEC 2021

- Designed custom websites for clients using Figma.
- Integrated designs using Webflow to create responsive and accessible websites.
- Performed bug fixes and improvements for clients.
- Created custom Javascript and jQuery code snippets as needed.
- Achieved a 95% client satisfaction rate.

### **Pilot** - *Porter Airlines - Halifax, NS*

AUG 2018 - DEC 2021

- Operated Q400 Aircraft as a First Officer for Porter's commercial service.
- Conducted flights across Eastern Canada as well as to the United States.
- Focused on Crew Resource Management (CRM) and professional standards.

### **Pilot** - *PAL Aerospace - Halifax, NS*

JUNE 2016 - AUG 2018

- Operated BE20 Aircraft as a First Officer for EHS LifeFlight Fixed Wing Program.
- Provided air medevac services for critical patients and their families

### **Flight Instructor / Team Leader** - *Moncton Flight College - Dieppe, NB*

JULY 2013 - JUNE 2016

- Conducted over 1500 hours of flight instruction, both in the air and in classroom environment
- Led the China Program department, managed a group of flight instructors.
- Provided in-classroom and hands on teaching on a variety of aviation material to students.
- Awarded Moncton Flight College Employer's Choice Award.

**Lab Technician (Summer Student)** - *Glencore Lead Smelter - Belledune, NB*

MAY 2011 - AUG 2012

- Conducted a variety of analysis and tests for various departments.
- Developed professional and analytical skills.

**Backshop Staff / Lead (Summers)** - *Gowan Brae Golf Course - Bathurst, NB*

MAY 2006 - AUG 2010

- Provided direct services to club members, including bag retrieval and club washing
- Ensured members were satisfied and equipment was prepared for them.
- Assisted in maintaining the golf course for staff and members.

## EDUCATION

**Self-Taught Developer** - *Curriculum designed by Patrick Shannon*

JAN 2021 - PRESENT

Designed and followed a personalized curriculum to learn programming, utilizing resources such as online courses, tutorials, books, and hands-on projects. Developed a strong foundation in both frontend and backend technologies, with practical experience applying knowledge to real-world projects. Continuously engaged in self-directed learning to stay updated on the latest trends and advancements in technology and software development.

**Flight Instructor Certification** - *Moncton Flight College*

MAY 2013 - JULY 2013

Completed training and courses to acquire Flight Instructor Rating.

**MIFR / Commercial Pilot's Licence** - *Moncton Flight College*

SEPT 2010 - MAY 2013

Successfully completed 250 hours of in-flight training and acquired all licencing requirements to graduate. Graduated with multiple awards for outstanding performance and leadership in flight training.

**Bachelor of Science Aviation** - *Mount Allison University*

SEPT 2009 - MAY 2013

Graduated with a 3.68 GPA and completed minor studies in Environmental Science.

## AWARDS

Moncton Flight College Employer's Choice Award - *Moncton Flight College*

Jazz Aviation Most Outstanding Student - *Moncton Flight College*

Instrument Pilot of The Year - *Moncton Flight College*

Robert M. Bateman Commercial Pilot of The Year - *Moncton Flight College*

## **VOLUNTEERING**

Architecture Brigade | Honduras - *Global Brigades 2013*