

Douglas Moth

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PERSONAL PROFILE

Full-Stack Web & Application Developer specializing in TypeScript, React, and modern cloud-native architectures. Experienced in architecting and deploying production-grade SaaS applications using Next.js, PostgreSQL (Supabase), and Vercel infrastructure. Strong background in systems design, infrastructure ownership, and cross-functional leadership. Known for translating real-world operational requirements into scalable, secure, and maintainable software solutions.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), C#, Python, PHP, SQL, HTML5, CSS3

Front End: React (Hooks, Functional Components), Next.js, React Router, Responsive & Mobile-First Design, Component-Based Architecture

Backend and APIs: Node.js, RESTful API Design & Integration, Serverless Functions, Authentication & Authorization

Databases and Data: PostgreSQL (Supabase), MySQL, Relational Schema Design, Row-Level Security (RLS), SQL Query Optimization

Cloud and DevOps: Vercel (Deployment & DNS), CI/CD Pipelines, Environment Variable Management, Domain Configuration

Concepts: Object-Oriented Programming, Responsive Design, Component-Based Architecture

PROFESSIONAL EXPERIENCE

Founder & Full-Stack Developer

TaskNova a Productivity SaaS Platform | 2025 – Present

Live: <https://tasknova.ca>

Code: <https://github.com/bellsandwhistlesdesigns/TaskNova>

Designed and implemented a production-grade SaaS architecture using Next.js, TypeScript, Supabase (PostgreSQL), and Vercel.

Modeled normalized relational database schemas and enforced Row-Level Security (RLS) for secure multi-user data isolation.

Implemented secure authentication flows, protected routes, and session persistence using Supabase Auth.

Owned full infrastructure lifecycle including domain registration, DNS configuration, environment isolation, and CI/CD deployment pipelines.

Optimized performance through API caching strategies, client-side state synchronization, and defensive fallback mechanisms.

Delivered a mobile-first, responsive user experience with state-aware rendering logic.

Tech Stack: TypeScript, Next.js, React, Supabase (PostgreSQL), Vercel, REST APIs

Web and Application Developer

Bells and Whistles Designs (Portfolio Platform) | 2025 – Present

Designed and deployed a production-ready web platform featuring live API integrations and serverless backend functions.

Implemented state-aware UI behavior and personalized navigation flows.

Applied API caching and fallback strategies to improve reliability and manage usage limits.

Built responsive, mobile-aware components with graceful degradation.

Maintain structured GitHub repositories with documented technical decisions and clean version control practices.

Team Lead

PJS Systems | (2020 – 2024)

Led cross-functional teams on large-scale commercial AV infrastructure projects up to \$2.8M in value.

Managed budgeting, scheduling, blueprint interpretation, contractor coordination, and on-site execution across multiple sites.

Directed weekly planning meetings and supervised installation crews to ensure project milestones were delivered on time and within budget.

Designed and configured AV and network systems including structured cabling, switching, and hardware integration

Delivered projects for organizations including TransLink, BC Courthouses, Langara College, RCMP, and UBC Brock Commons South.

Owner / Data and Security Installation Technician

Smart Connex Inc. | (2018 – 2020)

Owned and operated a low-voltage data cabling and security installation business serving residential and commercial clients.

Managed full project lifecycle including estimating, planning, installation, troubleshooting, and customer communication.

Installed structured cabling, configured routers and switches, and deployed multi-camera surveillance systems.

Oversaw budgeting, vendor coordination, and workflow management while maintaining strong client satisfaction and repeat business.

EDUCATION - Post Secondary

Diploma | Web and Application Development (2024 – 2025)

CDI College

Diploma | Network Systems Engineering (2013 – 2015)

CDI College

Honors Diploma | E-Commerce and Business Management (2002 – 2004)

Sprott Shaw College