

# Douglas James

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github.com/bellsandwhistlesdesigns

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## PERSONAL PROFILE

I am a **Web & Application Developer** who brings a grounded, disciplined approach to every aspect of my work. I am known for being reliable, accountable, and someone who follows through. I take ownership of projects and systems end-to-end and thrive in environments where high standards matter.

I adapt quickly, learn aggressively, and don't shy away from complex challenges. While my technical ability is strong, what sets me apart is my maturity, consistency, judgment, and problem-solving ability, along with a proven capacity to turn real-world requirements into clean, effective solutions.

As a recent college graduate entering the software development field, I bring fresh perspective, strong fundamentals, and the determination to deliver results. I'm not someone to underestimate.

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## TECHNICAL KNOWLEDGE

**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

**Core Concepts:** Full-Stack Architecture, State Management, Secure Auth Flows, API Caching Strategies, Performance Optimization, Object-Oriented Programming

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## TECHNICAL PROFESSIONAL EXPERIENCE

### Web & Application Developer

#### TaskNova - Mini SaaS Platforms | 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 & Application Developer

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

Live: [Bells and Whistles Designs | Full-Stack Developer Portfolio](#)

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

**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.

**Tech Stack:** HTML5, CSS3, JavaScript

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## 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 The University of British Columbia

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## 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.

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## 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

REFERENCES AVAILABLE