



# MELNARD DE JESUS

## FULLSTACK DEVELOPER

### HOW TO REACH ME

Portfolio: <https://melnerdz.com>

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### SKILLS

#### Tech Stack

##### Programming Languages

- JavaScript, TypeScript, Node.js (JavaScript runtime), Python (for automation and scripting)

##### Frontend Development

- HTML, CSS, JavaScript
- Frameworks/Libraries: React.js, Next.js, Astro, Solid.js, jQuery
- Styling: Tailwind CSS
- CMS: TinaCMS (Headless CMS)

##### Backend Development

- Node.js with Express.js
- Supabase (Auth, DB, Edge Functions)
- Stripe (Payment integration)
- OpenAI (Chatbot integration)

##### Database Management

- MongoDB (with MongoDB Compass)
- MySQL (with phpMyAdmin)
- PostgreSQL
- Supabase (PostgreSQL-based)

##### DevOps & Hosting

- Incremental Static Regeneration (ISR)
- Supabase Edge Functions
- GitHub Pages, Netlify, Vercel (deployment platforms)

##### Version Control & Collaboration

- Git, GitHub

##### Operating Systems

- Windows (with WSL)
- ArchLinux

### Work Experience

#### Full-stack Developer

**Inkful Borders Publishing LLC, a Michigan Company | October 2024 - Present (Fulltime)**

- Develop and maintain scalable web applications using MERN stack, Next.js, Astro, and TypeScript, ensuring high performance, maintainability, and SEO optimization.
- Implement Incremental Static Regeneration (ISR) with advanced caching strategies to enable dynamic content updates while maintaining static performance.
- Leverage Supabase as a backend solution for authentication, real-time data, database management, and role-based access control.
- Create and deploy Supabase Edge Functions to handle secure, server-side logic close to the user for low-latency performance.
- Integrate Stripe for secure and flexible payment processing, including setup of webhooks for handling payment events and automated workflows.
- Design and develop responsive, accessible, and reusable UI components using Tailwind CSS, following modern UI/UX best practices.
- Optimize applications for maximum performance, cross-browser compatibility, and core web vitals, ensuring smooth user experiences across devices.
- Build and integrate AI-powered chatbots using OpenAI and Supabase, enabling intelligent, contextual, and persistent user interactions.
- Work with TinaCMS, a headless CMS, to enable real-time content editing, custom content modeling, and seamless integration with Astro and Markdown-based workflows.

#### Freelance Frontend Developer

**Accolade AI | June 2024 - October 2024 (Project-based)**

- Develop responsive websites using Astro.js JavaScript framework.
- Optimize site performance through code splitting and image optimization.
- Ensure cross-browser compatibility and mobile responsiveness.
- Collaborate with designers to translate Figma designs into pixel-perfect web pages.
- Manage state using JavaScript frameworks and libraries.

#### Junior Software Developer

**Robot-hub Corp. | January 2024 - May 2024 (Fulltime)**

**Wellesley Street, Auckland 1141**

- Develop and Maintain Backend Services: Design, develop, and maintain scalable and robust backend services using AWS Lambda and other AWS services.
- Integration with AWS Textract: Implement and manage solutions that leverage AWS Textract for extracting text and data from documents.
- Debug code with the use of AWS CloudWatch.
- Designed and built front-end interfaces to ensure user-friendly experiences and smooth navigation within applications with JQUERY.
- Leveraged MySQL database querying techniques to retrieve and manipulate data for various application functionalities.

### EDUCATIONAL BACKGROUND

#### Information Technology

Institution: International Electronics and Technical Institute.

June 2012 - June 2014

Associate Degree

**Graduate**