

Paarth Dhammi

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EXPERIENCE

- **Array Studios** Nanaimo, BC
Software Developer Sept 2024 – Present
 - **Full Stack Development:** Engineered and implemented a RAG AI chatbot plugin using ReactJS, PHP, PineCone vector database, and OpenAI GPT-4, enabling content-intensive websites to provide automated, context-aware customer support by intelligently retrieving and leveraging site-specific content, resulting in 80% reduction in response times and successful integration with the existing CMS platform.
- **Eye Photo Systems** Portland, Oregon
Full Stack Developer (Contract, Remote) May 2024 – Present
 - **AI-based Desktop Application:** Engineered a high-performance desktop application for ophthalmologists using Go, ReactJS, and SQLite, implementing local-first architecture with mTLS security. Designed and implemented peer-to-peer communication using mDNS service discovery, enabling seamless client-server synchronization across local networks.
- **The West Harbour** Vancouver, BC
Full Stack Developer Oct 2022 – Dec 2023
 - **Headless CMS Development:** Spearheaded the development of multiple high-performance websites using Sanity.io, leveraging NextJS, Contentlake, and ReactJS, resulting in improved load times, scalability, and maintainability.
 - **Developed Custom Theme:** Engineered a reusable ReactJS/Tailwind theme with PHP backend, cutting future website development time by 25% through automation.
- **Freelance Contracting** Vancouver, BC
Full Stack Developer Sept 2019 – Present
 - **Client-Focused Web Development:** Built, deployed, and maintained multiple websites for clients, including Lab 915, Prairie Neuro, and the International Neurotrauma Society, utilizing expertise in JavaScript, PHP, and SCSS to deliver high-quality online solutions that exceeded client expectations and increased online engagement and brand visibility.
 - **Website Migration:** Revamped a legacy Drupal website for Concerts in Care, replacing it with a modern event management system built on GatsbyJS, ExpressJS, and MongoDB. This significantly improved the user experience for seniors and streamlined administrative workflows, reducing event setup time by 40%.
- **BulletProof Studio Tools** Vancouver, BC
Full Stack Developer CO-OP Jan 2024 – May 2024
 - **Reducing Server Load:** Optimized backend for a high-profile VFX budgeting tool, implementing FastifyJS, GraphQL, and Mercurius to improve load time by 20% and reduce server load in an agile team.
 - **Timesheets Dashboard:** Crafted an intuitive ReactJS (TSX) frontend with Apollo Client, enhancing timesheet management and collaboration for VFX film budgeting.

PROJECTS

- **OurSOS – Backend Source:** Developed an AI-driven public safety app, prioritizing accessibility and social support features. Extensively used GO, Expo, Tailwind, Redis, and PostgreSQL.
- **RAG E-Commerce Store – Source:** Developed a smart FAQ retrieval system for a coffee store, utilizing RAG and Pinecone for personalized shopping experiences, seamless Stripe integration, and scalable architecture with SST and Hono, built with ReactJS, Tanstack, and DALL·E 3.

EDUCATION

- **British Columbia Institute Of Technology** Vancouver, BC
Diploma in Full Stack Web Development; with distinction
- **Langara College** Vancouver, BC
Diploma in Computer Studies