

MICHAEL NEEDHAM

Junior Software Developer | Full-Stack Web3 Developer

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PROFESSIONAL SUMMARY

Certified Software Developer and recent graduate of UBC Continuing Education and Circuit Stream's AI Software Development Bootcamp, with hands-on experience building full-stack web applications, REST APIs, authentication systems, blockchain platforms, and accessibility-focused software. Proficient in JavaScript, React, Node.js, Python, PostgreSQL, HTML, and CSS. Known for strong problem-solving, collaboration, and project execution skills developed through both software development projects and extensive leadership experience.

PROFESSIONAL EXPERIENCE / SOFTWARE DEVELOPMENT PROJECTS

Freelance Web Developer — ChefMyKLove Custom Software Solutions | Self-directed | Nanaimo, BC | June – July 2026

- Designed and delivered custom websites for independent artists and creative clients — hand-coded HTML, CSS, and JavaScript, no templates or frameworks.
- kathleenyearwood.com — portfolio site for musician/artist Kathleen Yearwood; embedded Bandcamp integration, domain registration, custom Formspree contact form integration, and ongoing technical support.
- selinamartin.com — artist portfolio; custom build, full-service delivery including domain and email infrastructure, and ongoing technical support.
- chefmyklove.com — personal developer portfolio and brand hub.
- naked.chefmyklove.com — marketing and sales page for We're Naked! A Rapture in Three Acts; Stripe payment integration, custom audio player, animation, and sound design for the companion interactive browser edition.

Founder / Developer — ASMRtists (Art Splash Marketing Roster) | Circuit Stream / UBC Continuing Education | Nanaimo, BC | January – June 2026 (In Development)

In Production: [ASMRtists.ca](https://asmrtists.ca)

- Tech Stack:** Next.js 16, React 19, TypeScript, Tailwind CSS v4, shadcn/ui, Supabase (PostgreSQL + RLS), BSV / 1Sat Ordinals, MNEE stablecoin, Shopify, Printify, Vercel, GitHub
- Designed and built a three-sided talent-agency platform connecting visual artists, collectors, and curators — artist portal, collector portal, curator portal, and public gallery/marketplace.
- Engineered a BSV blockchain minting pipeline using @bsv/sdk, WhatsOnChain, and TAAL ARC — automating ordinal inscription, SPV signing, and stablecoin payout distribution.
- Implemented a perpetual revenue-sharing model distributing net print margin across artists, ordinal holders, curators, and platform on every sale — no manual intervention required.
- Integrated Printify's fulfillment API with a centralized Shopify storefront to automate print production, order routing, and artist earnings from upload through delivery.

Full Stack Developer — Accessibility Pad | Circuit Stream / UBC Continuing Education | Nanaimo, BC | 2026

Live: notepad.chefmyklove.com

- Tech Stack:** Node.js, Express, SQLite, JavaScript, HTML5, CSS3
- Built an accessibility-first note-taking app with voice-to-text input, keyboard-only navigation, and screen-reader support in compliance with WCAG guidelines.
- Designed and deployed a production-ready full-stack application with persistent backend storage and responsive UI.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, SQL, HTML5, CSS3

Frontend: React, Next.js, TypeScript, Tailwind CSS, Vite

Backend: Node.js, Express, REST APIs, Authentication

Databases: PostgreSQL, SQLite, Supabase

Tools: Git, GitHub, Docker, Postman, VS Code, Cursor

Other: Accessibility (WCAG), Agile Development, Responsive Design

Blockchain: BSV SDK, GorillaPool API, 1Sat Ordinals, sCrypt

EDUCATION

AI Software Development Bootcamp Certificate | UBC Continuing Education & Circuit Stream | 2025 – 2026

- 36-week intensive program covering full-stack web development, REST APIs, authentication, PostgreSQL, algorithms, Docker/DevOps, AI application development, React Native, and cloud deployment.

Bilingual Grade 12 Diploma | Georges-P. Vanier Secondary School, Hamilton, ON

ADDITIONAL PROFESSIONAL EXPERIENCE

Culinary Leadership Roles | 1995 – 2024

Held progressive leadership positions including Head Chef and Sous Chef in high-volume hospitality environments.

- Led teams of up to 30 staff members.
- Managed operations, scheduling, training, and quality assurance.
- Developed strong leadership, communication, problem-solving, and project management skills transferable to software development environments.
- Red Seal Certification in progress at time of injury