

Jeffrey Chow

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EXPERIENCE

Web Developer

Jun. 2025 – Present

Invoke Digital

Vancouver, BC

- Drove end-to-end feature development (planning, design, implementation, deployment) for Chunks, a platform specializing in social media content generation and video highlight discovery serving over 10,000 users.
- Refactored a serverless Lambda architecture into AWS Step Functions, implementing structured logging and custom error handlers to achieve a 92.8% success rate across 9,700+ monthly executions.
- Evaluated technical feasibility of proposed features to inform implementation strategy, product road maps, and design decisions.

Web Developer, Co-op

Sep. 2024 – Apr. 2025

- Developed and implemented new full-stack features for Chunks, a platform that generates short-form social media content from long-form video content, enhancing user workflows and content management.
- Led development for multiple client prototyping projects such as Parpro, an AI receipt processor and journal entry generator, and Mustered, an AI chat bot aimed to assist users by reducing the mental overhead needed to achieve their career goals.
- Improved the stability and functionality of a serverless web application backend through proactive bug resolution and code enhancements, such as reducing video conversion times by leveraging AWS MediaConvert scalable resource allocation.

Software Developer, Co-op

Sep. 2022 – Apr. 2023

Peloton Technologies

Victoria, BC

- Designed, developed, and seamlessly integrated a one-time payment collection feature into the existing client platform, meeting a high-priority demand from clients and becoming a new sales emphasis for the company.
- Reduced manual testing time from 1 hour to 10 minutes by implementing test suites and adding data annotations for new methods, enhancing efficiency by preemptively testing for potential bad data inputs.
- Enhanced user experience by implementing additional client-side and server-side validation coupled with clear error messages, reducing calls to customer support, and empowered representatives to resolve issues more efficiently.
- Practiced agile methodologies, collaborating with cross-functional teams to deliver iterative releases and ensure alignment with project goals and client requirements.

TECHNICAL PROJECTS

YouTube Captions Translator | *JavaScript, TailwindCSS, AWS, HTML*

Jul. 2023 – Aug. 2023

- Designed and developed a Chrome extension that enables live translations of YouTube video captions into a user-specified language, enhancing content accessibility for non-native speakers.
- Independently managed the entire development cycle, leveraging technologies such as JavaScript, HTML, and TailwindCSS to create a user-friendly interface.
- Implemented a simple secure backend using AWS Lambda and API Gateway to obfuscate API Authentication keys, ensuring safety and integrity of third-party integrations.
- Adhered to extension development standards by referencing Chrome extension documentation.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, C#, SQL, HTML, CSS, Java, C/C++,

Frameworks: Next.js, .NET Framework, Tailwind CSS

Development Tools: AWS (e.g. S3, Lambda, API Gateway, AppSync, DynamoDB, RDS, etc), Vercel, Git, Docker

Libraries: React, ffmpeg, SQLAlchemy, pandas, google-genai

EDUCATION

University of British Columbia

Vancouver, BC

Bachelor of Computer Science, Integrated Computer Science

Sep. 2021 – May 2025

University of British Columbia

Vancouver, BC

Bachelor of Science, Biochemistry

Sep. 2015 – May 2020