Jacques "Jack" Hebert

Github | Portfolio | LinkedIn
Languages Spoken: English (Fluent), French (Semi-Fluent), German (Beginner)

SOFTWARE ENGINEER

Well rounded software engineer with a passion for building technical user interfaces with modern web and desktop tech stacks. Looking to collaborate with developers across the globe and provide accessible experiences to a global audience.

TECHNICAL SKILLS

Frontend Web Development: TypeScript, React.js, Next.js, React Hooks, Context API, Node.js, JavaScript, HTML/CSS, NPM
Backend Web/Desktop Development: Rust, Java, AEM, Ruby on Rails, ORM, PostgreSQL, SQL, MVC, Rest API, Websockets
General/Computer Science: C++, GitHub, MATLAB, Python, Heroku, JSON, MacOS, Windows, Linux/Ubuntu, Bash

PROFESSIONAL EXPERIENCE

JP Morgan Chase, Plano, TX
Associate Software Engineer / Software Engineer II   01/2022 - 04/2025
- Created functional React components with TypeScript to support digital coupons, data-feed tables, articles, and multi-media
- Migrated our AEM Web Content Authoring Platform to AMS cloud and Next.js for multiple LOB across Chase.com
- Worked with Content, Product, and Design teams to deliver new themes and campaigns for different stakeholders
- Supported distributed development across Chase to manage and display internal app widgets on public pages
- Delivered new Storybook features for quickly mocking up entire web pages with editable content
- Collaborated with ADA teams to fix accessibility and screen reader defects for mobile and web browsers
- Onboarded new team members into junior development roles and helped team transition into MacOS workflows

Software Engineer I   11/2020 - 01/2022
- Created a JSON comparison tool w/ React.js & Context API for feature-flag config files across environments
- Competed in AWS Deep Racer ML/AI Tournament and finished 2nd Place across Plano office teams
- Wrote Automated Test Scripts and completed UAT / ADA testing for Chase/JP Morgan Android and IOS apps

TECHNICAL PROJECTS

Block Builder - GitHub | Live Site - *Drag and Drop Trading Order Strategy Blocks into a concise grid and axis layout*
- Used TypeScript and React.js to create a fluid process for placing advanced conditional orders with mouse input
- Devised intuitive hover and highlighting effects to communicate possible order type and placement restrictions
- Integrated Kraken Websocket API to display current market price data and to place/cancel/modify orders
- Leveraged React Context to communicate active orders and mouse events between components and widgets

Mesh - Github - *A cross-platform Media remote control application with a unified React UI for both web and desktop.*
- Built a Rust and PostgreSQL REST API for managing Spotify OAuth authorization, secure token storage with automatic background refresh, and user data persistence.
- Developed a cross-platform Spotify remote control application using TypeScript, React, and Vite, deployed as both a web app and native desktop app via Tauri.
- Implemented real-time Spotify Web API integration enabling remote playback control across all active devices including play/pause, skip, seek, volume, shuffle, repeat, and device transfer.
- Architected a modular monorepo with shared UI components and API type packages for consistent functionality across web and desktop platforms.

Fractal Design - Github | Live Site - *Customize your own fractal animation with different colors, effects, and more!*
- Used Java and Processing3 to develop a fractal zoom animation pattern
- Adapted the animation to P5.js to run as a portable web script
- Implemented React.js to create a dynamic animation rendering app
- Designed a Semantic/Material Ul menu layout for an intuitive control scheme

EDUCATION

University of Virginia, Darden School of Business - Coursera, Online   08/2020
Digital Product Management: Modern Fundamentals Certificate

Flatiron School - Austin, TX   01/2020 - 05/2020
Full Stack Web Development, Ruby on Rails and JavaScript immersive program

University of Colorado at Boulder - Boulder, CO   08/2017 - 04/2019
Coursework completed towards a Bachelor's Degree in Computer Science