Eric Chow

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Profile

- Analytical and creative thinking developed through identifying potential problems and implementing new innovative features to a cloud-based tax solution at CaseWare International
- Enhanced programming competency and full stack development through utilizing programming languages/frameworks like Python, JavaScript and React to develop personal projects like cahl.net or Shopify App (Trolley Cart).
- Technical: React, JavaScript, TypeScript, HTML, CSS, SQL, Next.js, MongoDB, GraphQL, Jest, Python, Django, Microsoft Office (Excel, Word, PowerPoint), VBA

Education

University of Toronto, Scarborough, CGPA 3.79 / 4.0 (High Distinction - Dean's List)   Sep. 2015 – Dec. 2019

Bachelor of Business Administration, Management and Accounting

Projects

Shopify App – Trolley Cart - *https://apps.shopify.com/trolley-1*   Nov. 2021 – Present

- Developed a public Shopify App using TypeScript, React, and Next.js for merchants to add a cart drawer and implement several upsell & cross sell functionalities to their online stores.
- Designed and engineered the front-end application using React functional components, managing states through Hooks (useState, useReducer and useContext), and handling navigation using the Next Router hook.
- Engineered back-end application using Next.js and Koa to handle incoming navigation requests, access authorization and data fetching. User data relating to the store and upsell information was stored and fetched from MongoDB.
- Improved application front-end performance by 300% through the use of memoization using React hooks like useMemo and useCallback to limit application re-renders to only when a dependency's state has changed.
- Tech-Stack: TypeScript, React (Hooks), Next.JS, Koa, MongoDB, Shopify App Bridge, Shopify Polaris, GraphQL, Jest, SendGrid, AWS S3, Heroku

Hockey League Website – *http://cahl.net/*   Jan. 2020 – Jul. 2020

- Developed a SPA for a hockey league to update and display stats, series information and player information from a REST API using React, Django, PostgreSQL and AWS stack
- Built front-end using React through functional components, managing state through Hooks, and handling user navigation through React Router; modernized the previous front-end tech stack to simplify the design and maintenance of the code
- Implemented a REST API through Django rest framework and PostgreSQL to improve upon separation of concerns and enhanced code flexibility and scalability
- Launched the SPA & REST API using AWS stack to host SPA on AWS Amplify, database on Amazon EC2, manage API calls through Amazon API Gateway and AWS Lambda, and store static files on Amazon S3; reduced the cost of hosting to $0.50/year taking advantage of AWS Free Tier
- Tech-Stack: React (Hooks, Router, Helmet), AntD, Python, Django Rest Framework, Zappa, PostgreSQL, AWS Amplify, Amazon EC2, Amazon API Gateway, AWS Lambda, Amazon S3, Git, Trello

Work Experience

Unilever Canada – Financial Analyst   May 2021- Present

- Forecasted and oversaw the Brand Marketing Investment budget for all of Unilever Canada.
- Collaborated with Marketing Managers to determine risks and opportunities to manage company P&L; identified a $10M opportunity for unspent marketing activities in the previous year which allowed the company to exceed its profit targets.
- Implemented various internal controls to help govern and manage the brand marketing spend against the amount which was forecasted ensuring 100% of brands successfully remain within their forecasted budgets.
- Automated checks and balances traditionally performed within Excel directly within the accounting system effectively reducing manual work performed and human errors by over 90%.

CaseWare International – Tax Product Developer   May 2018 – Apr. 2019

- Collaborated with development team to design a cloud-based corporate tax software using JavaScript and tax knowledge to accurately calculate corporate tax returns and amounts owing to CRA or Revenu Québec
- Supported implementation of code refactoring to improve program responsiveness and software efficiency; successfully increased efficiency by 215% and was recognized as the most value-added initiative by product leads in 2018
- Performed an in-depth analysis against competitors' software (TaxPrep and TaxCycle) for product leads; presented business plans and cost/benefit analyses on new features to advance the product relative to competitors