Elias Touil

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**Summary**

9 years of experience full stack software developer with design abilities equipped to deeply understand users and business while overcoming technical hurdles. I seek honorable and adventurous collaborators uncovering their full potential and helping others flourish.

**Skills**

Full Stack: TypeScript, JavaScript, Node.js, React.js, Next.js, GraphQL, PostgreSQL, Prisma, TypeORM, Cascading Style Sheets (CSS), Tailwind CSS, Chakra-UI, Material UI (MUI), Vercel, Heroku, GitHub actions, Husky.

Design: User Interface Design (UI), User Experience Research, User Experience Design (UX), Usability Testing, Wireframing, Prototyping, Graphic Design, Figma, Photoshop, SVG. Startups: Grant Writing, Value Proposition Design, Pitch Deck Design, Photography, Video.

**Experience**

**Full Stack Developer**, Spark Jam (Saas Startup Cofounder) June 2023 – Dec 2023

● Designed and developed an audience engagement app for content creators, acquiring 2,500 users in its first month using Next.js, Typescript, Tailwind CSS, Prisma, PostgreSQL, and Vercel ● Established a continuous feedback loop by monitoring users with Google Analytics, and Microsoft Clarity, and running usability tests with early adopters

● Introduced Scrum and documented procedures utilizing ClickUp to clarify the technical workflow for non-technical stakeholders

● Onboarded an engineer and documented the code to a successful responsibility transfer **Lead Developer and Designer**, La Maison Jaune (Saas Startup Founder) 2019 – 2023

● Conceived a digital museum guide by leading a team of 3 augmenting 55k museum visits using Next.js, TypeScript, Apollo, GraphQL, Chakra-UI, PostgreSQL, and Heroku, tripling visitors' adoption compared to the previous native museum app

● Single-handedly built a prototype using Preact, pitched and secured Canada's largest art museum as an early collaborator two weeks after the idea's inception

● Brought image recognition and 3D to the browser, conducted user experience tests to improve on friction points, doubling education content engagement among museum visitors ● Recruited three software engineers and managed collaboration with outsourcing firms using agile and scrum to increase development speed and meet clients’ demands ● Engineered a continuous integration and continuous deployment (CI/CD) pipeline across multiple instances utilizing Git, Heroku, and Bash streamlining individual contributions ● Authored and submitted successful grant proposals, securing $160K in funding and $25K in sponsorships from government and incubators, enabling key developmental milestones ● Produced promotional and sales visual assets, leading teams of up to 8, to ensure visibility and demonstrability of product on the web and at industry events

**Full Stack Developer and Designer**, Freelance 2014 – 2022

Metryx (Saas Startup)

● Re-designed branding, user experience, and user interface of a data-intensive workforce management tool using Django, React.js and MUI, positioning the product as the modern option and reducing most paths to action by 30%

● Proposed new frontend patterns and tooling, coached offshore developers on using data visualization and calendar tools to improve development speed and code quality

DevCyclop (Agency)

● Improved user interface and readability of data-intensive bid planning platform for large construction enterprise using vanilla JavaScript, jQuery, and CSS

My Touch (Startup)

● Created a request for proposal and organized a bidding process for a cosmetic e-commerce platform and warehouse management system

Venue Genie (Saas Startup)

● Realized mockups for the Airbnb of venues using React.js

Let’s Hub (Startup)

● Transformed in-person orientation games and tools into web-based applications, empowering low-skilled workers to demonstrate their value to future employers ● Defined new visual identity by conceptualizing and coding a design system with CSS and SVG

Various clients

● Designed and realized dynamic websites using Python, JavaScript, Django, SQLite, Contentful, WordPress, Shopify, Liquid, React.js, Gatsby, CSS, and Sass.

**Commercial Photographer**, Freelance 2008 – 2022

● Created visuals enhancing the image of renowned brands, including Air Miles, Canada Space Agency, IGA, Cadillac Fairview, Place-des-arts, Canada Parks, British American Tobacco

**Volunteering**

**Board Member**, Cosimu 2019 – Present

● Co-wrote app requirements, and business and innovation objectives with C.E.O. ● Developed visually unique and complex sound controllers for music learning apps in React and CSS to demonstrate a transition to the web and increase cross-platform compatibility

**Mentor**, Academos (Career orientation office hours) 2021 – Present **Mentor**, Brébeuf HX (Hackathon) 2023

**Education**

**B.Sc.A Computer Sciences (Partial)**, Université du Québec à Montréal 2015 – 2016 **B.Sc. Psychology (Partial)**, Université de Montréal 2010 – 2012