

MARK KOPANI

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SKILLS

| | |
|--------------------|---|
| Client-side | React, Next.js, Web3.js, Redux, CSS/Sass, Material UI, Bootstrap |
| Server-side | Node.js, Python, Solidity, ChatGPT API, Django REST Framework, Ruby/Rails |
| Utilities | AWS (Lambda, EC2, RDS, S3, etc.), Git, PostgreSQL, MongoDB, Infura |
| Hard Skills | Full Stack Dev, Web3 Wallet Integration, Smart Contracts, Data Science |

EXPERIENCE

Shape Immersive (Vancouver, BC)

March 2022 - Present

Full Stack Web3 Developer

- Built white-label SaaS product in Next.js and MongoDB, leveraging Redux and Material UI.
- Facilitated Web3 wallet connection to React-based applications using Web3.js.
- Designed and implemented multiple REST APIs in Django and Express.js.
- Wrote Node scripts for Ethereum L1 and L2 solutions using Infura for blockchain connection.
- Bulk-minted Polygon ERC-1155 NFTs and transferred to a dynamic list of wallet addresses.
- Built internal 3D asset visualizer using both Babylon.js and Three.js packages.
- Used Twilio to implement multi-factor authentication.

Lighthouse Labs (Vancouver, BC)

December 2021 - Present

Web Development Mentor (Part-time)

- Explain programming concepts to students by comparing them to real-world situations.
- Help students with technical difficulties involved with installing and running development tools.
- Guide students as they debug their assignments and projects.
- Have general discussions with students about programming and various career paths.
- Advise on best programming practices.

MarketLink (Vancouver, BC)

March 2021 - March 2022

Software Engineer, Lead Developer

- MarketLink was an insurance startup co-founded by Murrick Insurance and Broker Link Software.
- Designed database schema and project structure for an insurance Broker Management System.
- Spearheaded UI/UX design and made adjustments with company directors.
- Implemented React front-end and several dynamic, multi-step forms.
- Built powerful React hooks to cater to the organization's specific form-building and validation requirements.
- Integrated with and contributed to a Ruby on Rails back-end with a PostgreSQL database.
- One of two full-time developers; oversaw multiple contractors.
- Primary communicator when integrating with external services.

Pine Digital Growth (Vancouver, BC)

August 2019 - January 2021

Owner, Full Stack Developer

- Built several projects with Django back-ends and jQuery and CSS/Bootstrap front-ends.
- Drew ER diagrams and presented to clients prior to implementing databases in PostgreSQL.
- Containerized projects with Docker before deploying to AWS (EC2, RDS, & S3) using NGINX as a reverse proxy.
- Maintained DNS management for clients.

EDUCATION

CFA Program participant, CFA Institute

December 2019

- Completed Level I

University of British Columbia

September 2014 - April 2019

- Bachelor of Science, Major in Statistics (with a thematic concentration on computer science)

NOTABLE PROJECTS

Weebox

<https://weebox.io/>

Shape Immersive

- A public release page for a client's NFT collection.
- Built with Next.js.

Safer

<https://mkopani.github.io/projects/safer>

- Web3 wallet prototype focused on ease of use and security.
- Proof-of-concept is a fork of MetaMask browser extension with refreshed UI.
- Brand new features include multi-factor authentication.

Arc

<https://mkopani.github.io/projects/arc>

- White-label NFT store and marketplace catered to individual creators.
- Built with Next.js and a MongoDB database.

F3STIVAL

<https://mkopani.github.io/projects/f3stival>

- Bulk minting of ERC-1155 Polygon NFTs.
- Bulk NFT transfer Node script.
- Uses Infura as Web3 provider.

FloorTrader

<https://mkopani.github.io/projects/floor-trader>

- An API wrapper for Interactive Brokers.
- Built with Django REST Framework.

Format As You Type

<https://github.com/mkopani/format-as-you-type>

- NPM package built for React.
- Input field formatter that supports all input components and is fully customizable.
- This allows the developer to hook into their existing components rather than using a brand new component like with other packages.

LEADERSHIP

Psi Upsilon Fraternity – UBC Alumni Association

January 2021 - January 2022

President

- Oversaw an organizational budget upwards of \$200,000.
- Was primary contact for Undergraduate President in the event of an emergency and for general inquiries.
- Maintained constant communication with the Executive Director of Psi Upsilon International (Indianapolis, IN).
- Spearheaded the refinancing of the fraternity house's mortgage.

UBC Interfraternity Council

January 2017 - January 2018

Vice President – Risk Management

- Compiled a comprehensive risk management policy that was adopted by all ten fraternities at UBC.
- Represented all fraternities at regular meetings with the university and the local police and fire departments.
- Was primary contact for the local police and fire departments.

Psi Upsilon Fraternity – UBC Chapter

January 2017 - January 2018

Vice President

- Ran on-boarding program of 25 new members.
- Oversaw 10 internal chairman positions.
- Spearheaded organization of several large-scale team-building events to improve chapter morale.
- Assumed president's responsibilities during a brief period of absence.