

MARK KOPANI

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SKILLS

Client-side	React, Next.js, Web3.js, Redux, CSS/Sass, Material UI, Bootstrap
Server-side	Python, Node.js, Django REST Framework, Ruby/Rails, Rust, Solidity, Ethereum
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 - January 2023*
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)
- *Key Courses:* Machine Learning and Data Mining, Numerical Approximation and Discretization, Time Series and Forecasting, and Relational Databases.

NOTABLE PROJECTS

Weebox

<https://weebox.io/>

Shape Immersive

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

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.
- This allows the developer to hook into their existing components rather than using a brand new component like with other packages.
- Format and behavior is fully customizable.

Canary Lite

<https://bayshoreeasydrive.com/>

Pine Digital Growth

- Lightweight rental car reservation system and CRM.
- Contracted by Bayshore Easy Drive.
- Generated a 150% increase in bookings within two weeks.
- Built with Django, jQuery, HTML, and CSS.

Pine Python Package

<https://pypi.org/project/pppine/>

Pine Digital Growth

- Miscellaneous Python and Django helper functions.