

TECHNICAL SKILLS

Languages: JavaScript, Python, Go, SQL, C++, HTML, CSS**Technologies:** TypeScript, NodeJS, React, Next, Web3/Ethers, PostgreSQL, Redis, Clickhouse, Docker, Git, AWS

EXPERIENCE

Reservoir

Oct. 2022 – Present

*Full-Stack Engineer**Remote*

- Spearheaded Reservoir's developer dashboard providing customers a platform to manage API keys and visualize usage
- Implemented NFT data/trading infrastructure for 30+ EVM chains using **Kubernetes**, **AWS**, and **PostgreSQL**
- Collaborated closely with other engineers to optimize API endpoints by improving **SQL** queries and caching with **Redis**, achieving faster response times and reducing database load, ensuring application scalability
- Constructed new **Datadog** monitors and enhanced existing ones expanding incident coverage and reducing detection time
- Provided **on-call support** to developers implementing Reservoir products spanning the entire toolkit

Healthcare Systems R&A

Sep. 2021 – Dec. 2021

*Engineering Research Intern**Waterloo, ON*

- Assisted in building an automated and universal Smartphone Rapid Diagnostic Test reader
- Enhanced **Python** calibration code to improve prediction accuracy of various concentrations
- Implemented various image manipulation functions to refine the quality of test images

Taymer International

Feb. 2021 – May 2021

*Mechanical Design Engineer Intern**Markham, ON*

- Worked across complete product life-cycle: design, fabrication, assembly, and quality assurance
- Individually designed new LR400 Accurate Wire Length Counter product suite in OnShape
- Designed a camera box module for the HF3000 hot foil marking machine to enable print observation

QBuild Software

Jan. 2021 – Feb. 2021

*Application Developer Intern**Markham, ON*

- Produced a HIPAA-compliant health dashboard using a headless WordPress CMS in JavaScript
- Designed and developed a custom WordPress plugin in PHP to search and filter the PubMed API
- Created a variety internal dashboards to monitor processes via **JavaScript (React)**, **HTML**, and **CSS**

PROJECTS

Orderflow.art | *NextJS, Typescript, Clickhouse, Redis*

orderflow.art

- Built a website with interactive Sankey diagrams enabling users to filter orderflow data across all supply chain fields
- Automated daily data imports from Dune to ClickHouse, ensuring up-to-date orderflow data is displayed in visualizations

Reservoir Dashboard | *NextJS, PostgreSQL, Redis*

dashboard.reservoir.tools

- Developed a web application allowing users to collaborate with their teams and manage API keys
- Implemented user authentication through Auth0 and provided paid subscriptions using Stripe

Reservoir Discord NFT Bot | *TypeScript, Redis, Docker*

reservoirprotocol/reservoir-discord-bot

- Developed a Discord bot providing live data for NFT collections through various search commands
- Implemented real time alerts for new floor tokens, top collection bids, listings, and sales

Habipets | *React, Solidity, Altura API*

habipets.vercel.app

- Developed a web application allowing users to log daily habits with the incentive of a smart NFT
- Provided feeless dynamic NFTs linked to habit streaks and achievements through off-chain updates

Snip3r | *NextJS, PostgreSQL*

jadendurnford/snip3r

- Developed a web application allowing users to input price, rarity, and trait values for NFT collections to snipe listed NFTs matching their query

EDUCATION

University of Waterloo

Waterloo, ON

*BASc. Mechanical Engineering, President's Scholarship of Distinction**Sep. 2020 – Present*