

SCOTT HORLACHER

Vancouver, British Columbia

Hello. I'm a talented and proficient problem solver that enjoys making web apps with Javascript. I'm actively searching for new projects to apply my skills in UI/API development and browser automation. Much of my previous work has involved small startups -- ideally, I'd like to gain experience with larger teams and CI/CD testing environments with the end goal of improving management skills and automating the software development process. I have been using Javascript frameworks to make webapps for at least 5 years now. Although my trade is software development, I was formally educated in Electrical Engineering (McMaster) and also enjoy working on IoT projects. Research-wise, I'm interested in cryptography and blockchain and hold a couple patents pertaining to.

EXPERIENCE**Sonity Ltd***Sept 2019-Jan 2021*

Co-founded the company and developed a suite of SaaS marketing automation tools for LinkedIn. Development stack includes React/Material-UI for the UI, NodeJS + GraphQL with PostgreSQL for the backend and a slew of Selenium Webdriver automation scripts. Utilized microservice architecture leveraging Docker and Kubernetes. Ran support and devops for client instances on AWS.

Artiste QB*March 2018 - Present*

Researcher and developer producing IP. See accomplishments.

Freelancer*Jan 2016 - Present*

Continuously learning frameworks and libraries in order to get the job done. Providing plethora of web development related services -- such as webdesign, hosting, e-commerce. I also lend my technical services to international contemporary artists in order to help them realize their visions.

ACCOMPLISHMENTS

System and method for platform to securely distribute compute workload to web capable devices*July 2017*

A system and method for distributed computing tasks to a plurality of swarm devices. In particular, using WebGL and browser canvas to make available the computing resources of any device with a browser.

System and method for shared secret encryption and verification of recordings of meeting proceedings*Oct 2018*

Patent on the process of using proximity based detection of mobile app for Diffie-Hellman symmetric key exchange, audio/video meeting recording, followed by encryption with a unique key generated by Shamir's Secret Sharing algorithm. The result is meeting minutes are recorded and encrypted into a database service and only recoverable given a m-of-n majority of participants.

Kineticoin -- Cryptocurrency-art residency @ Ujazdowski*Sept 2018 - Nov 2018*

Exploring the concept of 'Proof-of-Performance', Kineticoin was an ERC20 issued in the gallery space @ the national museum of contemporary art in Warsaw. Users would sign in with a wallet, and were tracked with an image-recognition system which would track their performance and subsequently issue KNC tokens.

Perftoran Technical Consultant at Palazzo Lucarini (Italy) and Fotopub (Slovenia).*July 2020-Sept 2020#696969*

Provided web, security cam, internet and chemical extraction/distillation services for avant-garde international contemporary exhibition. Aided in production of various bee propolis extracts, soaps and herbal (helicryso) tinctures.

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Fullstack Developer

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SKILLS



NODEJS Proficient with API development, middleware development, real-time sockets, streams and buffers.



DOCKER

Containerization of apps and microservice architecture. Experience organizing systems of containers using Docker Compose, as well as working knowledge of Kubernetes.



REACTJS

Go to frontend UI/UX Javascript framework for at least 3 years. Realtime and responsive data-driven design, using various component frameworks such as MaterialUI, SemanticUI, ReactBootstrap.



SELENIUM

Automation for data scraping and testing. Extremely capable developing scripts that can manage multiple windows concurrently. Have developed tech that enables real-time socket communication between driver and server (used by Sonity Ltd).



DATA SCIENCE

Modeling and Statistics. General background in mathematics and statistics, with a continued applied interest using Python & R. Interested in practical applications of ML models, however capable developing and making models from scratch.



POSTGRES SQL database of choice. Table design and deployment of replica-sets a familiar and routine process.