

scotthorlacher.dev

Fullstack Developer

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(672)-999-6636

SCOTT HORLACHER

Vancouver, British Columbia

Hello. I'm actively searching for new projects to apply my skills in UI/API development and browser automation. Ideally, I'd like to gain experience with a large team and CI/CD testing environment in order to improve management skills and better automate software development pipelines. 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 and developed a suite of marketing automation tools for LinkedIn. Created UI/UX, API and Selenium scripts. 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.

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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.

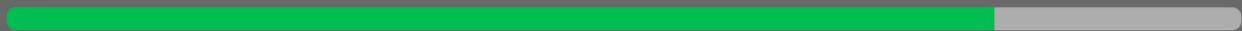
Perforan Technical Consultant at Palazzo Lucarini (Italy) and Fotopub (Slovenia).


July 2020-Sept 2020#696969

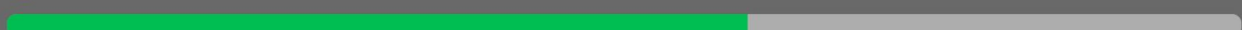
Provided web, security cam, internet and chemical extraction/distillation services for avant-garde international contemporary exhibition. Aided in production of various bee propolis extracts, soaps and herbal (helicryso) tinctures.


SKILLS

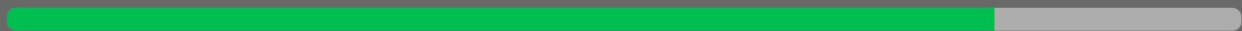
 **NodeJS** API development, sockets, streams, buffers oh my.



 **Docker** Containerization of apps and microservice architecture.




 **ReactJS** Frontend UI/UX. Realtime and responsive data-driven design, UI frameworks (Material, Semantic, Bootstrap etc).




 **Selenium** Automation for data scraping and testing.



 **Data Science** Modeling and Statistics. Applications of ML.



 **Postgres** SQL database of choice. Open to change.

