Dong-Ha Kim

Berlin
Freelance

Experience

Risk Labs risklabs.foundation

Aug 2022 to Present

Full Stack Engineer (Frontend-focus)

As a web3-focused full stack engineer at Risk Labs, I am a core contributor to the Across Protocol (https://across.to/) - the most secure and fastest bridge for Ethereum.

Used tech: TypeScript, React, Ethers, hardhat, Node.js, Nest.js, react-query, styled-components, Next.js, GitHub Actions, Jest, Cypress, Apache Airflow

- Core contributor to UI (https://github.com/across-protocol/frontend-v2), SDK (https://github.com/across-protocol/sdk-v2)
 and indexer (https://github.com/across-protocol/scraper-api)
- Built Airlflow ETL pipeline from scratch

Redeemeum Labs redeemeum.com

Oct 2021 to Dec 2022

Full Stack Engineer

As a web3-focused full stack engineer at Redeemeum Labs, I was a core contributor to the Boson Protocol (https://www.bosonprotocol.io/) - a decentralized commerce protocol based on Ethereum.

Used tech: TypeScript, AssemblyScript, React, Ethers, hardhat, Node.js, Express, GraphQL, IPFS, react-query, styled-components, Next.js, GitHub Actions, Ierna, turborepo, npm workspaces, Jest, Cypress

- Leading contributor to v2 SDKs, DApps, widgets, and subgraph (https://github.com/bosonprotocol/core-components)
- Driving force for improved quality, practices, processes, and DX within the team

brainbot technologies AG brainbot.com

Aug 2020 to Oct 2021

Frontend Engineer Berlin

As a web3-focused frontend engineer at brainbot technologies, I was a core contributor to the Trustlines Protocol (http://trustlines.network/) - a decentralized mutual credit system based on Ethereum.

Used tech: TypeScript, Ethers, React, React Native, Jest, Redux (sagas and thunks), Storybook, Gatsby, tailwindcss, CircleCl, GitHub Actions, Mocha/Chai, Detox

- Leading contributor to the TypeScript/JavaScript library (https://github.com/trustlines-protocol/clientlib)
- Leading contributor to the React Native Mobile App (https://trustlines.app)
- Leading contributor to several React-based static sites (https://trustlines.network/, https://trustlines.foundation/)

brainbot technologies AG brainbot.com

Apr 2017 to Aug 2020

Frontend Engineer (Part-Time) Mainz and Berlin

Simon-Kucher & Partners simon-kucher.com

Jun 2016 to Oct 2016

Full Stack Engineer (Part-Time) Darmstadt

As a full stack engineer, I digitalized a simulation game the company uses to educate its clients about basic pricing mechanisms.

Used tech: JavaScript, Angular, Express, Node.is, MongoDB, Mongoose, Mocha/Chai

External Consultant and Full Stack Engineer (Contract) Frankfurt am Main

As full stack engineer, I developed, maintained, and enhanced modules of a web application, which is used as a monitoring, reporting, and controlling tool for various business processes in the company.

Used tech: JavaScript, Angular, Express, Node.js, MongoDB, Mongoose, Mocha/Chai

Publications

Privacy-Preserving Netting in Local Energy Grids

2nd IEEE International Conference on Blockchain and Cryptocurrency 2020

www.ise.tu-berlin.de/fileadmin/fg308/publications/2020/preprint-ICBC-Eberhard.pdf

Co-author of the paper and the main contributor to the prototype

https://github.com/JacobEberhardt/decentralized-energy-trading

A Response to the United Nations CITES Blockchain Challenge: Incremental and Integrative PoA-based Permit Exchange

1st IEEE International Conference on Blockchain and Cryptocurrency 2019

depositonce.tu-berlin.de/bitstream/11303/9170/4/busse_etal_2019.pdf

Co-author of the paper and the main contributor to the prototype

https://github.com/cites-on-blocks/cites-on-blocks_dapp

Education

TU Berlin 2017 to 2020

M. Sc., Information Systems Managament

Thesis: Nightlines - Privacy-preserving IOU Tokens (Grade: 1.0 German / 4.0 GPA)

Text: https://github.com/dohaki/master-thesis/blob/master/thesis/main.pdf

Prototype: https://github.com/dohaki/nightlines

Used tech: zkSNARKs, ZoKrates, Solidity, JavaScript

TU Darmstadt 2013 to 2017

B. Sc., Business Informatics

Thesis: Chances and Challenges of Decentralized Applications (Grade: 1.0 German / 4.0 GPA)

Languages ————————————————————————————————————	
English Fluent Korean Advanced German Native	
Interests —	
(Cooking) (Web3 and Software Engineering) (Experiencing cultures through food and travel)	