

Jens Krause

Hamburg Area - Germany | <http://jkrause.io> | email@jkrause.io

Independent Software Developer with ~**20 years of experiences** in the industry. Today focused on building software in the **crypto** and **blockchain** space by using **Functional Programming** (Haskell, PureScript, Rust etc).

Contract work

 (Detailed portfolio: <http://jkrause.io/arbeiten/>)

2016 - 2019

Blockchain development

[LNx](#)

Seoul / South Korea

May 2019 - August 2019
(contract + remote work)

Senior Blockchain Architect

- Prepare DAG part to work with Substrate
- p2p handling of DAG nodes independently of Substrate (libp2p, Rust)
- e2e / unit tests (Rust)
- Basic architecture of LNx wallet (Vue.js, Vuex, polkadot.js, TypeScript)

[FOAM](#)

New York / USA

April 2018 - April 2019
(contract + remote work)

Senior Blockchain Developer

- Front- and backend development of a TCR (Ethereum) based world map <http://map.foam.space> (PureScript, Haskell)
- PoC of Plasma MVP implementation with Cosmos (Go, PureScript)
- Misc. (e2e, unit tests, Solidity)

[IOHK](#)

Hong Kong

Dec. 2016 - April 2018
(contract + remote work)

Cardano SL Developer - Team Haskell

- Front- and backend development of Cardano's blockchain explorer <https://cardanoexplorer.com> (PureScript, Haskell)
- Re-write of Daedalus wallet API (Haskell)
- Developing API layer to bridge Daedalus wallet (PureScript)
- Testing and re-factoring of Cardano-SL (Haskell)
- Misc. PoC's (e.g. type generator Haskell to PureScript)

2012 - 2016

Web-, Mobile development

Misc. projects / clients

Cellular, SinnerSchrader, misc. startups, Volkswagen, ZDF, TUI, etc.

Senior Developer

- Web / Mobile applications (Angular, Backbone, Ionic, Knockout, React, React Native, RxJS, TypeScript, CoffeeScript, ES 6/7, RubyMotion)
- Backend development (NodeJS, PHP, Zend, RabbitMQ, Ruby)
- TDD / BDD / E2E (Karma, Istanbul, Mocha, Sinon, Enzyme, Webdriver, CucumberJS)

1999 - 2012

Web-, Desktop-, Mobile development

Misc. projects / clients

For Sale Digital, Tribal DDB, Interone, Deutsche Post, Hamburg Messe, Henkel, ILA Berlin, Jimdo, L'TUR, Media Markt, Mercedes Benz, MINI, Philips, Unilever, Universal Pictures, Volkswagen etc.

Adobe Flash / Flex Developer

- Desktop / Web / Mobile applications written in ActionScript 3 (Adobe Flex, Adobe AIR, Adobe Flash, Cairngorm, Mate, Parsley, PureMVC, Robotlegs, Swiz, Flex Charts, yFiles FLEX, Flare)
- Backend development (Flash Remoting, BlazeDS, Flash P2P, Live Video Streaming)
- TDD (FlexUnit, AsUnit)

Education

University of Hamburg
Oct. 1994 - Jan. 2002

1. Staatsexamen (First State Examination)
Education, Sport, History

Social

GitHub

<https://github.com/sectore/>

LinkedIn

<http://www.linkedin.com/in/jenskrause>

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