

# Jens Krause

Hamburg Area - Germany | <http://jkrause.io> | [email@jkrause.io](mailto:email@jkrause.io)

Independent Software Developer with **18 years experiences** in cutting edge web technologies. Currently focused on **Functional Programming** with **Haskell**, **PureScript** and **JavaScript**.

## Professional work (detailed portfolio in German <http://jkrause.io/arbeiten/> )

### 2016 - today

#### **Dec. 2016 - today**

IOHK (Hongkong) - Remote

### 50% Haskell | 50% PureScript

#### **Cardano SL Developer - Team Haskell**

- Developing <https://cardanoexplorer.com> (PureScript)
- Extending Explorer's API and its realtime implementation (Servant, Aeson, socket.io)
- Re-write of wallet API (Servant, Aeson)
- Developing API layer for bridging Daedalus wallet (Aeson, PureScript)
- Tests (Haskell + PureScript, QuickCheck, purescript-spec)
- Building PoC's (e.g. type generator from Haskell to PureScript)

#### **Sept. - Nov. 2016**

Herculus.io (Hamburg / Germany)

#### **Haskell Developer**

- Front-end implementation of a spreadsheet application (GHCJS, react-flux)
- Extending backend-side API (Servant, Aeson)

### 2012 - 2016

#### **Misc. projects / clients**

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

### 80% JavaScript | 20% NodeJS, PHP, Ruby

#### **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

#### **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.

### 80% ActionScript | 20% JavaScript, PHP, Java

#### **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)

## Profiles

*GitHub*

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

*Twitter*

<https://twitter.com/sectore>

*LinkedIn*

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

*Portfolio / Blog*

<http://jkrause.io>

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