

# 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** and **PureScript**.

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

**2016 - 2018**

**50% Haskell + 50% PureScript**

### **FOAM**

**(New York / USA, Remote)**  
*April 2018 - today*

### **Senior Software Developer**

- Blockchain Explorer „Spatial Index“ (PureScript, Halogen, purescript-web3)
- API development (Servant, Aeson, Swagger, hs-web3)
- Misc. (WebSocket, e2e, unit tests, Solidity)

### **IOHK**

**(Hongkong, Remote)**  
*Dec. 2016 - April 2018*

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

- Cardano Blockchain Explorer <https://cardanoexplorer.com> (PureScript)
- Explorer's API + realtime implementation (Servant, Aeson, socket.io)
- Re-write of Daedalus wallet API (Servant, Aeson, Swagger)
- Developing API layer to bridge Daedalus wallet (Aeson, PureScript)
- Testing (QuickCheck, purescript-spec)
- PoC's (e.g. type generator Haskell to PureScript)

### **Herculus.io**

**(Hamburg / Germany)**  
*Sept. - Nov. 2016*

### **Haskell Developer**

- Front-end of a spreadsheet application (GHCJS, react-flux)
- API development (Servant, Aeson)

**2012 - 2016**

**80% JavaScript + 20% NodeJS, PHP, Ruby**

### **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**

**80% ActionScript + 20% JavaScript, PHP, Java**

### **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)

## Social

**GitHub**

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

**LinkedIn**

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

**Portfolio**

<http://jkrause.io>

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