



# Thesis (m/f): Transferring Visual Age Smalltalk into Pharo Smalltalk

As early as 1998, HRworks developed a web-based business software for the cloud. Ever since, HRworks has been among the market leaders for software as a service solution for the full range of HR topics, such as personnel administration, applicant management, travel-expense accounting, time management and corporate benefits in Germany. More than 1200 customers such as Kyocera, Honda, Helly Hansen, Tom Tailor or SEAT rely on HRworks every day.

## Thesis goals:

The main goal of this thesis is to transfer our current frameworks, based on Visual Age Smalltalk, into the Pharo Smalltalk environment. As a part of that, you will identify the common base of our code in Visual Age and Pharo plus develop a core layer which is usable by both languages.

## Detailed tasks:

- research of already existing compatibility layers
- developing a compatibility layer for: HTTP server Visual Age Smalltalk SST and Pharo Zinc, in addition to that also usable for OpenSSL
- generating import/export mechanism for the common base of our code
- adapting and transferring backend frameworks: Base Extensions like Date, Time, Country, JSON and similar, Google APIs, OAuth, CrowdIn Multi Language, HTML
- working with Amazon Web Services: S3, DynamoDB, DynamoDB Object Persistence, SQS, EC2, SES and similar as well as the frameworks Bootstrap and Metronic

## What do we expect from you?

- You are studying informatics, computer science or similar
- You have good practical knowledge in Pharo
- You enjoy programming
- You can spend six months full-time on the project in Freiburg, Germany

## What can we offer you?

- An open, motivated and efficient team that enjoys working together
- Working on an unique application architecture
- Optimal working conditions, such as an open-space concept with free choice of workplaces, staff rooms, electrically height-adjustable tables
- Free fruits, drinks and as much coffee as you need



**Interested? We look forward to receive your application!**

Send your application documents via the [applicant formular](#).

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