

Haiko van der Schaaf
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Personal Summary

An experienced IT professional who is able to analyze business goals and align the IT-landscape to business strategy. Haiko is a first class communicator who understands the advantages of emerging technologies and is able to provide leadership to bring change to the organization to use these technologies. He is able to exactly find out what the client wants to achieve and delivers on that.

Expertise

- TOGAF, Archimate
- AWS Solutions, Serverless
- Enterprise Integration Patterns, Domain Driven Design, Microservices Architecture
- Agile Scrum, Lean, Continuous Integration/ Delivery, Certified ScrumMaster
- Java EE (14 years) – REST, Spring
- Javascript, Typescript, Angular
- Oracle, DB2, MySQL, PostgreSQL, Certified MongoDB 3.0 Developer
- Linux, Windows, Docker
- WSO2 API Manager, RabbitMQ
- Elastic Search, Hadoop MapReduce, Lucene, Solr

Education

2017 – AWS Solution Architect Associate
2016 - TOGAF
2014 – AngularJS, Secure Development Java
2012 – Team coaching
2011 – Certified Scrummaster
2009 – Scrum, Javascript
2006 – Spring, Hibernate en Struts
2005 – J2EE Servlets and JSP, Certification Java Programmer
2004 – OO Design & UML, Websphere 5 Tools and Development
2003 – Securities NIBE

ACADEMIC QUALIFICATIONS

1993 -1999 University of Amsterdam, Master in Science – Chemistry

Conferences

NG-NL

13-02-2015

speaker on the first AngularJS conference in The Netherlands.
Presentation – 'Lessons learned developing a new journey planner with AngularJS'

Work Experience

BinckBank – Enterprise ICT Architect

Sep 2016 – present

Responsible for the complete IT landscape. Optimizing the landscape for agile scrum teams to increase software delivery speed. Aligning the architecture to business strategy. Advising on the possibilities of emerging technologies and software practices.

Duties:

- Advising senior management on implementing business goals.
- Responsible for migration to private APIs and developing a microservice architecture to enable rapid time to market.
- Decomposing the application landscape through an effective API approach, aligning to a product oriented architecture.

Projects

Decomposition Backend

As part of the cloud strategy the backend system with a monolithic nature is to be transformed into independent, autonomous application services adopting a microservices architecture fitting to the agile teams. As an architect I provided the architectural high level design aligning business and IT goals including a roadmap. To govern this three year undertaking I created a maturity model for the different application services to monitor the transformation and to be able to set intermediate goals with the agile teams and product owners.

API Roadshow

To educate and promote the new architecture I hold monthly presentations with the development teams about the new architecture with topics such as:

- API Design
- Swagger
- Distributed computing
- Microservice principles

Push Notification API

To inform mobile customers on the status of their orders, I provided the architectural design for a Push Notification API. This will be the first service following the microservice architecture and act as an example for other existing services.

NS Reizigers – Technical Lead

Jan 2010 – Aug 2016

Responsible for realizing software solutions for given business goals. Designing software systems and leading multidisciplinary teams to develop these software solutions as a Technical lead.

Duties:

- Analyze business requirements and translating them to software solutions
- Designing software systems
- Coordinating multidisciplinary project teams to deliver software solutions of varying size and complexity.
- Software engineering.
- Team coaching to innovate and optimize.
- Consulting business on (im)possibilities regarding business requirements and technology.

Projects

Journey Planner – converting to Microservice Architecture REST API

The journey planner is the most frequently used application of the Dutch Railways with peaks of over a million visitors a day. This project's goal was to renew the journey planner and redesign the architecture to have a RESTfull API capable of servicing multiple client-side applications.

To gain speed in the project and maximize visibility to all stakeholders an automatic deployment pipeline was setup, rolling out every change after a successful integration build and running automated acceptance test to test a new feature and more importantly regression.

In this project, I served as the technical lead. I designed the REST API and introduced new technologies as Angularjs and Apache Solr. I developed the new journey planner in an Agile Scrum fashion together with a cross-functional team, consisting of testers, developers and frontenders.

Prices other carriers

Enabling prices of other carriers on the Dutch railroad system in the journey planner and the e-commerce system of the NS.

For this project I did requirements analysis and designed the system using Domain Driven Design concepts as Bounded Context to develop a price-service that combines information from a pricing system and logistics system. As the scrum master and lead developer of a cross-functional team I implemented this system in the journey planner and the e-commerce system on ns.nl.

NS Groepsretour

In this project I was responsible for working out requirements together with Marketing and other stakeholders for a new proposition, the 'NS Groepsretour'. As scrum master and technical lead I implemented these requirements with a team with Apache Wicket and Hibernate as technologies in the e-commerce system on ns.nl

Selfservice portal consumers

This was a big project involving many departments and three development teams to build a new custom self-service portal for NS clients. I was the technical lead and scrum master of one of the teams. My responsibilities were to connect the portal to different commercial and CRM systems to enable the client selfservice options such as changing address, buy new products etc. This was implemented with Apache Wicket, Spring Security and Hibernate technology.

Func bv. (taken over by Trifork in 2010)
Technical Lead

Dec 2008 – Dec 2009

Responsible for realizing software solutions for clients. Participate on biddings, designing software systems and leading multidisciplinary teams to develop these software solutions as Technical lead.

Duties:

- Analyze client requirements and translating them to software solutions
- Designing software systems
- Coordinating multidisciplinary project teams to deliver software solutions of varying size and complexity.
- Software engineering.

Projects

Connect Social Metadata on MDMS

To enrich metadata on educational content an integration must be made between different digital archives. The challenge was to process the vast the number of millions of records in these archives in an acceptable time frame. I analyzed the different steps in the process of enriching. Using the result of the

analysis, I redesigned the system into asynchronous substeps to be able to handle the workload in parallel. This reduces integration batches from 9 hours o 45 minutes.

Neteffect bv. (taken over by Trifork in 2010)
Senior developer

juli 2006 – dec 2008

Duties:

- Design applications
- Research new technologies
- Developing webapplications

Projects

Selfservice webapplication

To enable entrepreneurs to customize their own entry in the directory product of the client (De Telefoongids), a selfservice webportal was created. I was responsible for the technical design and setup the development environments. Furthermore, I coordinated the development team. In meetings with the client I presented the progress.

Sogeti bv.

juni 2005 – juni 2006

developer

Duties:

- develop applications
- functional design of applications

Projects

Zorg desktop applicatie

For the surgeons there had to be an integration between an externally developed system managing the agenda of the operation rooms and the internally developed system containing patient records. I designed and implemented this integration using Java and COM-technologie.

Online-banking application for customers

This project realized a selfservice portal for customers of a creditcard company using portal container technology (JSR 168). In this portal I designed and implemented a content component using Hibernate to show advertisements and a FAQ section.

ABNAMRO - Securities department
application manager/ developer

juni 2000 – juni 2005

Duties:

- maintenance applications
- functional testing
- consultancy on new features

Projects

Insource Betaalkantoor

To counter the expected reduction of physical security coupons, the system was converted into a platform and opened up for external parties. In this project I delivered functional and technical advice and coordinated testing.

Dynamic Workload Balancing

This infrastructure project converted four static transaction systems of a Mainframe system to one dynamic system. This provided redundancy and efficiency. My responsibility was to investigate for potential failures in the configuration and coordinate with the owning departments to mitigate the risk.