

# Dr. Z.W. Hendrikse

## Personal

Name: Zeger Willem Hendrikse  
Address: Amsterdam, Netherlands  
Education: Solid state physics (**Ph.D.**), Theoretical physics (**M.Sc.**)  
Nationality: Dutch  
Languages: Dutch, English, Spanish  
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## IT-Essence BV

IT-Essence is the name of my company from which I offer my services as

- Continuous Delivery Specialist
- Certified Scrum Master / Agile coach
- Technical team lead & senior Java/JEE developer

## Summary of qualifications

I am focused and driven professional with well over 20 years of experience in professional software development. I promote a lean development process, and immediately see where and how value can be added in the value chain, driving out inefficiencies as quickly as possible.

In addition, I have a solid understanding of various business domains in finance and insurance. Besides continuously delivering business value, I love to assist colleagues whenever possible and am actively involved in conveying knowledge and skills.

## Achievements

### Junglecabins.com:

- In the jungle of Costa Rica, I built a jungle cabin that is for rent to travelers who want to experience wild life in the primary rain forest, canyon hiking and swimming in natural ponds.

### ING:

- I boarded numerous teams onto the CDaaS (Continuous Delivery as a Service) pipeline.
- I was part of the team winning the highest performing team award within the TANGO-project.

### Info.nl:

- As agile coach I converted the Greenwheels' website development from component based teams to feature based teams with the goal to drive out integration issues early and to continuously deliver end-to-end user stories.

### ABN-AMRO Incubator:

- As solution architect, I introduced an event-driven architecture for ABN-AMRO pension services.
- As senior Java developer, I became responsible for the quality and architecture of web application development, resulting in a shorter time-to-market and higher maintainability.

## References

- LinkedIn profile <https://nl.linkedin.com/in/zegerhendrikse>
- An electronic version of this document: <http://www.it-essence.nl/about.html>
- Technical weblog IT-Essence: <http://blog.it-essence.nl/>

## Professional Experience

### Senior Java Consultant, ABN-AMRO start-up, *March 2017 – September 2017*

- Java consultancy for 100% ABN-AMRO daughter using state-of-the-art technologies deployed in the AWS cloud.

### Technical Editor, *Baeldung*, *June 2016 – current*

- Editing, reviewing and occasionally writing articles for this website. For a list of articles that I produced, see <http://blog.it-essence.nl/>.

### Founder, *junglecabins.com*, *February 2015 – current*

- In the jungle of Costa Rica, I built a jungle cabin that is for rent to travelers who want to experience wild life in the primary rain forest, canyon hiking and swimming in natural ponds.

### Continuous Delivery Specialist, *Bank Mendes Gans*, *December 2016 – March 2017*

- Setting up a robust continuous delivery pipeline solution for Mendes Gans.

### Continuous Delivery Specialist, *ING*, *July 2016 – December 2016*

- Onboarding squads onto the ING CDaaS (Continuous Delivery as a Service) pipeline.
- **Environment:** GitLab, Jenkins, Docker, Artifactory, Nolio, Fortify, OWASP, Sonar, Maven.

### Scrum master & Java consultant, *ING*, *October 2015 – May 2016*

- As a scrum master I assisted both the product owner and team members. As Java consultant I assisted with object orientation and continuous delivery based on state-of-the-art technologies.
- **Environment:** Scrum, Spring Boot, Rest APIs, Docker, Git, Java 8.

### Co-founder, *riskboxes.com*, *August 2013 – September 2015*

- As co-founder of this start-up, I implemented the back-end (first C++, then Java) of a high performing, intuitive, secure and compliant workbench for quantitative finance for a prototype that is able to calculate the economic capital based on a portfolio consisting of various asset types, such as options, zero-coupon bonds and equities. These assets may in turn be evaluated with various models, such as Black-Scholes, Monte-Carlo or multi-nomial tree models.
- **Environment:** C++, Java 8, ReST, Swagger, Docker, Git, Quantative Analysis.

### Agile coach, scrum master and senior software engineer, *Info.nl*, *May 2014 – October 2014*

- As agile coach I converted the Greenwheels' website development from component based teams to feature based teams with the goal to drive out integration issues early and to continuously deliver end-to-end user stories. As software engineer my focus was on the integration of the fleet sharing platform with the back-end systems.
- **Environment:** JEE 7, Java 7, ReST, Vagrant, Ansible, Git, Magnolia, Swagger.

### Scrum master, *ING Insurance / Investment management*, *June 2012 – July 2013*

- As scrum master, I set up and coached the successful (Matlab) team for the replicating portfolios work stream, which is the cornerstone of the internal economic capital model of ING Insurance. Thereafter I set up and coached various scrum and Kanban teams that realized the remainder of ECAPS II, which calculates and reports the internal economic capital of ING group.

### Trading infrastructure consultant, *IT-Essence*, *November 2011 – May 2012*

- Development of a trading infrastructure for a hedge fund in algorithmic trading.
- **Environment:** Scrum, FIX, Quickfix/J, Java 6, Linux.

**Application architect and technical lead, [ABN-AMRO incubator](#), April 2010 – December 2011**

- Architecture, implementation and realization of the [ABN-AMRO pension services](#) portal.
- Enterprise application integration of two portals: ABN-AMRO pension services and ABN-AMRO Pensional (PPI) portal using web services in a secure way (X.509 certificates, SSL + TLS).
- Supervision of the team that realized the [ABN-AMRO lease](#) portal. This included the front-end implementation as well as integration of the portal with the SAP back-end using web services.
- **Environment:** Scrum, Axon (CQRS), Java 6, Wicket, Spring (MVC), PostgreSQL, MySQL.

**Enterprise Application Integration consultant, [Nidera](#), September 2009 – March 2010**

- For [Nidera](#) I designed and implemented a master data storage (MDS), meant to provide and enforce a central place for the storage and definition of reference data, such as companies, counterparties and commodities. To this extent, the MDS comprises the development of adapters that disclose these data to various back-end systems such as [Commodity XL](#) (commodity trading) and [Agresso Business World](#) (ERP, invoicing) using web services.
- **Environment:** Scrum, Java 6, Wicket, Spring, JPA, JAX-RS, JAX-B, JAX-P, REST, Fitness, Oracle.

**Application development, [Chamber of Commerce](#), February 2009 - August 2009**

- For the Dutch [Chamber of Commerce](#) a new company register was realized by applying design patterns and principles of domain-driven design.
- **Environment:** Agile, Hibernate, Spring, Maven, CVS, DB2.

**Consultant performance analysis, [Koopman International](#), December 2008**

- I did an analysis and resolution of some major performance bottlenecks that are associated with database access from a Java/Swing-based application as well as from a web-based application.

**Consultant product lifecycle management, [Center Parcs](#), September 2008 – November 2008**

- I wrote a quick scan report for Center Parcs on test-driven development and continuous integration. Assistance was offered for the realization of some of the recommendations.

**Technical lead & Application architect, [ING Bank](#), January 2008 – October 2008**

- I delivered the brokerage intranet application on time and within budget and successfully managed and coordinated communication with the design, maintenance and test teams. In addition I authored the software architecture document and implemented various batch jobs and an intranet application for management of rejected messages.
- **Environment:** Maven, Wicket, Spring, Hibernate, EJB, XML, XSD, Castor, WebSphere, RAD.

**Application development, [Rabobank International](#), September 2007 – December 2007**

- I implemented a gateway that normalises, validates and reconciliates various types of cash management data, such as transactions, specifications and balances. These data arrive from various [Rabobank](#) product platforms and are fed to CoConet's [Multiversa IFP](#) (International Finance Portal), the interaction platform for the customers.
- **Environment:** IBM MQ Series, MyEclipse, Java 5, JDBC.

**Technical team lead & Application architect, [Fortis Bank](#), December 2006 – July 2007**

- I was technical lead of part of the WebSphere Competence Center team, where I successfully managed communication between the business requirements team in Brussels and the development team in Amsterdam and made decided on the application architecture.

**Senior Java/JEE developer & junior application architect, [Fortis Bank](#), January 2005 – December 2006**

- I implemented various portlets, daemons and gateways for the *Merchant Banking Client Portal* and developed the trade server, the central component of the associated online trading system.

**Senior Java/JEE developer & JEE research and development, [Amis Services](#), June 2004 – December 2004**

- Setup of the Amis technology corner: <http://technology.amis.nl/blog/>.
- Various R&D activities for the knowledge centers, writing articles on the technology corner.
- Audit of the software managing customer transactions at TPG Post (posting service agency).

**Scientific Java developer, [University of Amsterdam](#), April 2001 – June 2004**

- For the [DataTAG](#) (Data TransAtlantic Grid) project I designed and implemented a bandwidth on demand grid service and associated broker as part of a system that provisions end-to-end fiber optic connections in a multi-domain network. I combined both Globus & JEE technologies.
- Design, implementation and valuation of The Virtual Laboratory Amsterdam, a multi-disciplinary e-Science project funded by the ministry of economic affairs.

**Scientific C developer, [University of Amsterdam](#), June 1999 – May 2001**

- Dynamite: automated load balancing for parallel applications running under Linux and Solaris.

**Java/C++ developer, research and development, [CBS](#) (Statistics Netherlands), May 1998 – May 1999**

- I did a pilot on Java components associated with TIL (Table Information Language), an XML dialect for the dissemination and standardization of (aggregated) statistical data within the CBS.
- I developed and maintenance a C++ based Y2K code checking tool (language independent).

**C developer, [Philips Car Systems](#), September 1997 – April 1998**

- Development and maintenance of Carsim, the car simulator used for development and testing.

**Fortran developer, [Leiden University](#), November 1992 - April 1997, Ph.D. research**

- I published a paper on a complex computer program I wrote for research on lattice dynamics.