

Bert Greevenbosch

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<https://www.bertgreevenbosch.nl>

PERSONAL ◇ **Family name:** Greevenbosch

PARTICULARS ◇ **Given name:** Bert

◇ **Birth:** 24 June 1978

EDUCATION ◇ **Leiden University:** 1997 – 2005

Foundation course mathematics and foundation course computer science.

Graduated for both foundation courses in January 1999.

1998 – 2005:

M.Sc. in mathematics with a specialisation in numerical analysis and differential equations.

Subsidiary topics from computer science.

Final project: sound separation (digital signal processing).

◇ **University of Bath:** September 2002 – January 2003

Grant from the Erasmus Programme to study at the University of Bath, England.

Courses in both mathematics and computer science.

◇ **Shandong University:** Juli – August 2005

Participated in the International Summer School of Shandong University, China.

Courses in Chinese language and culture, as well as cultural excursions.

WORK ◇ **Total Mail Service Rotterdam:** 1997

EXPERIENCE Set up the computer service.

◇ **University of Leiden:** 1999 – 2002

Taught calculus classes to first year students.

◇ **Examencursus:** 2001 – 2005

Taught at an exam training programme for high school students.

◇ **Fraunhofer Institut für Integrierte Schaltungen IIS:** 2005 – 2010

Research engineer in Germany.

Focussed on digital security technology, especially on the development of Digital Rights Management (DRM) standards.

Chaired the OMA DRM working group within the Open Mobile Alliance from June 2008 to June 2010.

Development of an audio watermarking system (audio signal processing skills).

Experience with OWL ontologies.

◇ **Huawei Technologies :** 2010 – 2014

Senior research and standardisation engineer in Shenzhen, China.

Standardisation in the IETF.

Multimedia, M2M, network security and network management research.

Experience with implementation of related technology.

Experience with Hadoop and Spark.

◇ **Jules Energy:** 2015 – now

Senior Java Developer in Bodegraven and Gouda, the Netherlands.

Development of software web applications for online energy trading. The applications include offering power and gas products, handling their transactions and calculating final results including imbalance. Visualisation through graphs and tables, as well as PDF format bills.

Development of battery software. The system is a smart grid M2M application, where the battery responds to current energy market prices, such that it optimises the revenue of delivery and/or minimises the cost of consumption.

- SKILLS
- ◇ **Programming**
Good skills in Java (including Android/EE), JSF/PrimeFaces, HTML, Hibernate, SQL, Angular, Flot, JavaScript, REST, Scala, C (including C++, C#), MATLAB, Pascal/Delphi, Basic, 8086 and Z-80 assembly language.
 - ◇ **Operations**
Experience with Docker, AWS, RackSpace, microservices, PostgreSQL, SVN, GIT, Linux, Hadoop, Spark.
 - ◇ **Digital security systems design**
DRM development and standardisation, network security standardisation.
 - ◇ **Math**
Eager to work with numbers and calculations, including developing calculation algorithms and verifying their outcome. Happy to use well-known numerical analysis or statistics algorithms where applicable. Keen interest in AI and machine learning.
 - ◇ **Language skills**
Fluent in Dutch (native), English and German (both written and spoken). Intermediate level Mandarin Chinese.
 - ◇ **International orientation**
Both in the working environment and in private life, I enjoy a wide exposure to different nationalities and cultures.
- LEISURE
ACTIVITIES
- Making synthesizer music, 3D/2D photography, reading, cycling, ice skating, Chinese language and culture, history, travelling, woodworking, cooking.