

Hugo Janssen

Freelance Data Analyst

Freelance Data Analyst with 15 years of experience in data-driven environments. Strong analytical skills, eye for detail and passion for finding actionable insights in data. Able to interpret complex data sets and summarize results in a clear overview to stakeholders. Broad technical skills; expert in SQL databases and querying languages, proficient in programming in Python, R, Java and JavaScript. Highly interested in data visualization and geospatial tech (GPS mapping).



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Hengelo (o), 12 juli 1980

SKILLS

A non-exhaustive list of tools and technologies I have experience with: **Databases:** PostgreSQL, PL/SQL, database design, ETL; **Coding:** Python, R, JavaScript, Java; **Data ingestion and munging:** REST API, web scraping, Django, Pandas, NumPy, scikit-learn, ARIMA, RapidMiner, SAS; **Front-end:** HTML, CSS, Bootstrap, Node.js, npm, Webpack; **Dashboarding and data visualisation:** D3.js, DC.js, Plotly, Highcharts, Shiny, Tableau, PowerBI; **DevOps / Cloud / other:** Agile SCRUM, Atlassian Jira, Git, CVS, Jupyter notebooks, Anaconda, Heroku, GDAL, geojson.

WORK EXPERIENCE

04/2019 – **Data Analyst**

present *HUGO. Analytics*

- Started as freelance data analyst after returning from a 6-month sabbatical, having traveled 8 countries in Australia and Asia. Seeking for projects that leverage data to improve business performance.

03/2011 – **Data Specialist**

10/2018 *ValueCare, Utrecht*

- Lead architect of a set of data products that monitors €3.5 bln in yearly revenues, allowing hospitals to align budgets and agreements with both internal and external stakeholders.
- Development of an advanced regression-based model that forecasts yearly revenues, within a 1% error margin, for the largest hospitals in the Netherlands.
- Extension and improvement of daily ETL processes encompassing 60TB+ of health care data across 120+ DTAP environments for 40+ clients.

Skills: Agile SCRUM, PostgreSQL, ETL, database design, data modelling, data visualization, predictive modelling, Python, Jupyter Notebooks, Plotly, R, Shiny, scikit-learn, ARIMA, RapidMiner, Java, SQL parsing.

06/2006 – **Enterprise Content Management consultant**

03/2011 *Logica, Amstelveen*

- Responsible for process analysis, implementation and deployment of a workflow system for branches in Czech Republic and Kazakhstan for ABN Amro bank.
- Requirements manager for the knowledge management system at ING Bank's customer contact centre.
- Change and release manager for the department wide workflow system at AEGON's life insurance branch.

Skills: SQL, document management, business process analysis, requirements management, MS Access, EMC Documentum, Captiva, Global360.

07/2004 – **Enterprise Content Management consultant**

06/2006 *Unisys, Schiphol-Rijk*

- Implementation consultant at various document management and workflow projects for government bodies like the Ministry of Agriculture, Nature and Food Quality, the Food and Consumer Product Safety Authority and the Court of Audit. Key responsibilities included drafting technical design documents and implementing those, end-user training and participation in pre-sales activities.

Skills: SQL, PL/SQL, document management, business process analysis, UML, Kofax, Hummingbird DM, Java.

EDUCATION

09/1998 – **MSc Computer Science**

01/2004 *University of Twente, Enschede*

- Specialized in distributed and embedded systems.
- Master's thesis: peer-to-peer technology (JXTA) in printer networks (Océ Technologies, Venlo).
- Internship: development of an e-learning tool for semiconductor wafer processing equipment (ASM America, Phoenix, AZ).

TRAINING

2016	Data Science Specialization (Johns Hopkins Bloomberg School of Public Health, <i>Coursera</i>)
2015	Data Visualisation and Dashboard Design (IIR Amsterdam)
2014	Computational Investing (Georgia Institute of Technology, <i>Coursera</i>)
2014	Core Concepts in Data Analysis (Higher School of Economics, Moscow, <i>Coursera</i>)
2013	Next Generation Data Analytics (IIR Amsterdam)
2010	PostgreSQL performance & tuning (in-house)
2009	PRINCE2 Foundation (APM group)
2009	ITIL IT Service Management Foundation (Exin)
2008	Algemene Opleiding Bankbedrijf (<i>Dutch banking course</i> , Nibe-SVV)
2007	Inleiding Verzekeringsbedrijf (<i>Dutch insurance course</i> , Nibe-SVV)
others	Various in-house courses: Business Lending and Financial Markets, Change Management, Intercultural Communication.

LANGUAGES

Dutch

Native language

English

Full professional proficiency

HACKATHONS

06/2017

Data Science Challenge KNVB

KNVB, Zeist

➤ The impact of women on soccer and it's development towards the future. Identifying key measurements to predict drop-out rate of girls in youth soccer teams.

Skills: SAS, feature engineering, model validation, multivariate regression analysis.

11/2015

Data Science Hackathon

UMC Utrecht, Utrecht

➤ Finding insights to improve health care at the Psychiatry department. Take away: living near lakes or in wooded surroundings is likely to reduce the duration of admissions.

Skills: D3.js, Open data.

HOBBY PROJECTS

2015 -
present

➤ Fire department emergency responses visualization: <https://fire-dept.herokuapp.com/>

Skills: Python, Django, Cloud computing (Heroku), REST API's, D3.js, Anaconda, Node.js, HTML, CSS, Sass, Bootstrap, Webpack, Npm, JavaScript, Leaflet.

➤ Mortgage calculator: interactive computation and visualization of mortgage annuities, see <https://nl-hugo.github.io/hypotheek-calculator/>

Skills: D3.js, HTML, CSS, Sass, Webpack, Node.js, Npm.

➤ Smart metering: using a Raspberry Pi to monitor real-time energy consumption from a smart meter.

Skills: InfluxDB, Grafana, Python, REST API, Linux system administration.

➤ Github repositories: <https://github.com/nl-hugo>

Skills: Python, Django, Heroku cloud computing, REST API's, web scraping, R, D3.js, Open data, Anaconda, Node.js, HTML, CSS, Sass, Webpack, Npm, Geojson, Topojson.

➤ D3.js visualizations: <https://bl.ocks.org/nl-hugo>

Skills: D3.js, Open data, HTML, CSS, Geojson, Topojson, Npm.

➤ Tableau repositories: <https://public.tableau.com/profile/nl.hugo#!/>

Skills: Tableau, Open data.

OTHER HOBBIES AND INTERESTS

Travelling, photography, mountain biking, web design, data visualisation, hackathons, financial markets.