

Richard Chou

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ABOUT ME

Technical Skills Python, SQL, BI Tooling (Google Looker Studio, Tableau), Cloud Platforms (AWS, GCP), dbt
Developer Tools Atlassian (BitBucket, Confluence, Jira), DBeaver (Teradata, Athena), Docker, Airflow, Terraform, IDE (VS Code, Pycharm), Version Control (GitHub, GitLab)
Languages Fluent in Dutch, Proficient in English, Limited Proficiency in Mandarin
Interests Technology, Coding, Cooking, Stock Trading, Reading, Sports

WORK EXPERIENCE

Ministry of the Interior and Kingdom Relations

Data Engineer, Public Services

The Hague, NL (July 2025 – Present)

- Responsible for extracting, maintaining, and ensuring sustainable storage of our data within our data warehouse.
- Used technologies: SQL (PostgreSQL), GitLab, Python (Pandas/Polars), and dbt.

ASN Bank

Data Engineer, Banking

Utrecht, NL (November 2023 – July 2025)

- Previously De Volksbank. Work on expanding the cloud data lakehouse by utilising marketing and financial data from the on-premises data warehouse within the Client Interface domain.
- Engineered over 30 automated data pipelines for marketing campaigns and personalised content for the ASN Bank brands using Airflow, Python, and Athena/Trino SQL.
- Developed and configured data quality checks within our different data layers for delivering consistent data with Great Expectations.
- Collaborated with technical and non-technical key stakeholders within the marketing domain to align dependencies with our data infrastructure.
- Onboarding (non-)technical new hires within the team and mentoring them in their user stories and working methods.
- Used technologies: Amazon Web Services (AWS), SQL (Teradata/Athena), Jira, Confluence, GitHub, Airflow, Terraform, and Python (PySpark).

Junior Data Engineer BI, Banking

Utrecht, NL (September 2022 – October 2023)

- Further developing and implementing the functional data warehouse within ASN Bank.
- Designed, aligned, and developed new BI dashboards and features in existing business intelligence dashboards for credit risk model monitoring within Tableau.
- Worked on data migrations within the on-premise data warehouse to prepare credit risk model monitoring datasets using Teradata SQL and SAP PowerDesigner.
- Used technologies: SQL (Teradata), Jira, Confluence, BitBucket, SAP PowerDesigner, and Tableau.

Bit Academy

Community Coach, Education

Amsterdam, NL (January 2023 – August 2023)

- Facilitated and coached over 20 students with coding problems for the Bit Academy Pro courses in Python, SQL, and other open-source technologies.
- Mentored 5 students interested in a career in data by sharing industry and theoretical knowledge within the data science, data analytics, and data engineering domains.
- Used technologies: SQL (SQLite), GitLab, and Python.

Coolblue

Data Science Intern, E-Commerce Company

Rotterdam, NL (April 2022 – August 2022)

- Worked on the weekly potential sales and demand forecast for one of the product types within Coolblue.
- Group different products based on their sales behaviours and propose different machine learning forecasting approaches for the selected product types.
- Used technologies: SQL (BigQuery), Jira, Confluence, GitHub, and Python.

WORK EXPERIENCE (CONT.)

Finaps

Process Engineer, Tech Company

Amsterdam, NL (November 2019 – April 2022)

- Implementation and maintenance of the information security and quality management systems following the ISO 9001 and 27001 standards.
- Worked on several continuous improvement initiatives in the form of research chapters and respective ISO standards.
- Part of the tactical stream within the organisation by initialising research chapter teams within the software engineering and data domains.
- Mentored 2 (graduate) interns with their projects and research.
- Milestone: achieving ISO 9001 compliance and certification with Finaps in August 2021.

Accenture

Associate, Technology Practices

Utrecht, NL (March 2018 – September 2019)

- Started as an undergraduate intern, which was scoped on data security tooling and best practices for GDPR compliance (March 2018 - August 2018).
- Provided project management support across Accenture's Dutch accounts within the chemical resources industry.
- The tasks consist of managing project financials, calculating price margins for new consulting projects and project extensions, and collaborating with project managers and managing directors to win new deals.
- Mentored several (graduate) interns with their projects and research within the technology domain.

Finaps

Junior Information Security Specialist, Tech Company

Amsterdam, NL (August 2016 – December 2017)

- Started as an intern focused on implementing the ISO 27001 standard within the organisation (August 2016 - January 2017).
- Managed to set up the ISO 27001 framework in a time frame of 7 months within the organisation.
- Worked on internal audits, writing information security and GDPR policies, and performing risk assessments when (technology) changes occurred within the organisation.
- Milestone: achieving ISO 27001 compliance and certification with Finaps in April 2017.

VOLUNTEER EXPERIENCE/PERSONAL PROJECT

Ichi Ban Leiden, Hospitality Services

Remote, NL (March 2024 – Present)

- Support my parents' restaurant by gathering data sources to gain insight into the restaurant's performance.
- Developed and configured the platform for app deployment, data storage, and data engineering, see the link to the [project description](#) for more information.
- Used technologies: Google Cloud Platform (GCP), Python, SQL (BigQuery), and GitHub.

Volt Europe, Politics

Remote/Amsterdam, NL (August 2021 – April 2023)

- Volunteered as a data analyst facilitator for the Volt Europe Data Analytics team.
- Performing ETL on raw data to create various dashboards for different stakeholders within Volt.
- Manage, onboard, and delegate tasks to several Volt members related to BI dashboarding.
- Used technologies: SQL (PostgreSQL), Python, GitLab, and Looker Studio.

KLM Curaçao Marathon, Foundation Run in the Sun

Utrecht/Curaçao, NL (November 2017)

- Volunteered for 1 month as a facility officer for the participants in this marathon.
- The tasks ranged from handing out drinks and medals to the participants to setting up the event.

EDUCATION

University of Texas at Austin

Remote/Austin, US (2025 – Present)

- MSc Computer Science
- Part-time remote programme to improve my graduate artificial intelligence and computer science knowledge.

University of Helsinki

Remote/Helsinki, FL (2023 – 2025)

- Open University, Track: Computer Science and Data Science
- Part-time remote/hybrid studies to improve and refresh my computer science knowledge.

University of Amsterdam

Amsterdam, NL (2021 – 2022)

- MSc Information Studies, Track: Data Science
- Thesis subject: Detecting and classifying cyberbullying memes in Twitter posts
- Performed research within the University of Amsterdam on multi-modal classification models that detect and classify cyberbullying within memes posted on Twitter.
- Used technologies: Python, Amazon SageMaker, GitHub, and Twitter Developer API.

Hogeschool Utrecht

Utrecht, NL (2014 – 2018)

- BSc Business, IT & Management (currently called HBO-ICT)
- Thesis subject: What data security tools and best practices could ensure GDPR compliance in the data security segment?
- Performed research within Accenture Technology at the Data Management department on data security tooling and the best practices companies can adhere to for GDPR compliance.

CERTIFICATIONS

Scrum.org

2024

- [Professional Scrum Master I \(PSM I\)](#)

AWS

2025-2028

- [AWS Certified Cloud Practitioner](#)

Astronomer

2025

- [Apache Airflow 2 Fundamentals](#)

dbt

2025

- [dbt Fundamentals](#)