

Halina Lukashenko

SQL Developer | Oracle · PL/SQL · T-SQL | AI Chatbots & Agents

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PROFILE

SQL developer with over 20 years of experience in SQL, databases and systematic troubleshooting, from a Ukrainian bank to the Danish agricultural sector. Strong in Oracle, PL/SQL, Microsoft SQL Server and T-SQL: data modelling, regulatory reporting, performance tuning and data quality. Good at spotting where data or logic does not add up, and at turning complex requirements into concrete, testable solutions.

I also specify, build and test AI-driven products with agentic AI development tools (Claude Code), including a live Telegram job-search bot built with Google Gemini, where I found and fixed several real quality issues in the AI's output before launch. From idea to a live bot with a database, AI integration and automated background logic in days rather than weeks, with quality under control: precise requirements, systematic testing, and errors caught before anything goes into production.

WORK EXPERIENCE

IT Developer, Breeding & Genetics Dec 2024 – Mar 2026
Landbrug & Fødevarer F.m.b.A. (Danish Agriculture & Food Council), Aarhus · intern, then fixed-term employee

- Found row multiplication when joining two history tables (approx. 20% of rows: 1,238 of 5,894 were false) and fixed it with a period-overlap JOIN condition, now an internal standard in the IT team.
- Replaced ROWNUM < 2 (an arbitrary row) with ORDER BY ... FETCH FIRST 1 ROW ONLY, so queries always return the right row.
- Developed and adapted approx. 100 database objects in Oracle.
- Central developer role in the OVERLEVELSE (Survival) project: built two complete, fully operational model variants; the chief scientist called the work "brilliant" and "excellent tables" and thanked me for my "extensive work".
- Diagnosed and solved performance problems: query time reduced from 2 minutes to 1 second.
- Co-author in the KS distribution project; delivered SQL extracts as the data basis for scientific work.
- Wrote technical documentation and architecture diagrams in Danish in Confluence.

IT Intern (developer) Apr 2024 – Jul 2024
Aarhus Municipality, Digital Foundations, Aarhus

- Developed T-SQL for loading CSV files into a database and for reports based on log files.
- Migrated existing PowerShell scripts to Python for Eloomi, the municipality's course portal (approx. 30,000 users).

Software Developer Jan 2000 – Feb 2022
Prominvestbank, Kyiv, Ukraine

- Deputy Head of the NBU & Prominvestbank Reporting Directorate.
- Later Head of Area in the Analytical Reporting and Data Warehouse Directorate.
- Programmed in Borland C for the bank's core system; part of the daily core programs was developed personally by me.
- Developed in Oracle, Microsoft SQL and Sybase (Transact-SQL) for mandatory reporting to the National Bank of Ukraine and the Deposit Guarantee Fund.
- Organised the entire technical process of submitting reports to the National Bank of Ukraine.
- Designed and implemented the entire daily workflow in PowerBuilder.

AI PROJECTS

- **AI Job Search Assistant with Verify** Live Telegram bot that scores vacancies against the user's CV, writes tailored applications as PDF and checks every letter with Verify, a built-in fact-checker for claims not supported by the CV. Danish and English versions. Python · Gemini API · Telegram · Railway

- **AI Daily Planner** Live Telegram reminder bot that understands tasks written in plain language: step-by-step task wizard, recurring tasks, snooze options and escalating reminders, plus a web dashboard kept in sync with the bot. Python · Gemini API · Telegram · web dashboard
- **AI Real Estate Bot + Agent Dashboard** Working prototype Telegram bot for buying, renting and selling in Toronto and Calgary; every inquiry lands in a dashboard with lead status, temperature and next action. Python · Gemini API · Telegram
- **Family Receipt Tracker** Working prototype Telegram bot and web cabinet: AI reads photographed receipts item by item, sorts them into categories, tracks returns and warranties and shows a shared family budget. Tested on real Danish receipts. Python · Gemini vision · SQLite
- **Website chat assistant demos** Demos Clickable demos for a fitness centre (NordPuls) and a health food store (Sundt Liv), with sales flyers for local businesses.

Details, screenshots and live demos: halyna-projects.github.io/work

EDUCATION

Bachelor's degree, Computer Science · Taras Shevchenko National University of Kyiv, Ukraine 1995 – 2000

COURSES

- Oracle BI Suite EE 10g R3: Create Reports and Dashboards (2015)
- Oracle Database 11g: Analytic SQL for Data Warehousing (2015)
- Oracle Database 11g: Data Warehousing Fundamentals (2015)

SKILLS

Databases	SQL, Oracle Database, PL/SQL, Microsoft SQL Server, T-SQL, Sybase (ASA/ASE), data warehousing
AI & QA	AI-driven products, agentic development (Claude Code), Gemini API, Telegram bots, prompt engineering, software quality assurance
Development	Borland C, PowerBuilder, Python (basic level)

LANGUAGES

English	Fluent
Danish	Good (intermediate)
Ukrainian	Native
Russian	Native
French	Beginner

REFERENCES

> *"We have benefited greatly from Halyna's experience with Oracle and SQL development, data analysis and system architecture. Halyna works in a structured and efficient way ... I therefore give Halyna my warmest recommendation."*
>
> Head of Department, Breeding & Genetics, Landbrug & Fødevarer (2026)

> *"Halyna will be able to contribute heavy SQL expertise in organisations with high technical demands for rigour and quality."*
>
> Head of Section, Digital Foundations, Aarhus Municipality (2024)

Full letters translated into English: halyna-projects.github.io/work. Danish originals and referee contact details available on request.