

# Leo Kravtchin

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Results-driven BI and Data Engineer with 3+ years of experience delivering scalable data solutions and software across Amazon, METRO Markets, and high-growth startups. Proven track record in FinTech, operations compliance, and supply chain. Specialised in Python, AWS, and SQL for automated pipelines processing 10M+ records daily, reducing manual effort by 80%. MSc Computer Science & AI from the University of Edinburgh.

## EXPERIENCE

### Business Intelligence Engineer, Amazon

London, United Kingdom

*Finance Accounting Technologies*

Jun. 2025 – Present

- Python, AWS, and SQL data automations for fixed assets, leasing, CapEx, and AWS workstreams
- Expanding the central accounting platform with 5 scalable applications, saving 2000 hours annually
- Optimising costs and processes for 4 AWS accounts with 2 PB Redshift clusters and 300+ daily users
- Data ingestion and batch processing through SQL ETL and Python APIs, data warehousing in Redshift
- Full software development lifecycle, 10+ code reviews per week, API development, and on-call support

### Operations Risk Compliance

Apr. 2024 – Jun. 2025

- Data analytics and automations across 6 domains, delivered 3 VP goals and 80 ad-hoc requests
- Supported 10 external legal escalations and 2 internal audits reported to the board of directors
- Avoided \$2.2M in fees and de-risked \$1B of revenue through proactive process automations
- Built an automated pipeline taking down 1M non-compliant offers from the marketplace per day
- Automated email alerts sent to 500+ selling partners per week in case of non-compliant offers

### Supply Chain Execution

Dec. 2023 – Apr. 2024

- Data analytics and automations for supply chain inventory planning based on demand forecasts
- Deployed AWS CDK pipelines for Lambda and Glue ETL, decreasing data latencies by 30%
- Created QuickSight dashboards with 300+ active users, reducing 600 hours per week for PMs
- Automated 150 business review metrics using SQL ETL pipelines, saving 20 hours per week
- Mentored a BIE intern to get hired and deliver data automation projects for the team

### Data Engineer, METRO Markets

Jun. 2022 – Dec. 2023

#### ERP Offer

Dusseldorf, Germany

- Performance monitoring using JavaScript, Grafana, and Slack bots, expanding coverage by 50%
- Detected 40k faulty customer orders through first-response of incidents using SQL and Python
- Created Python data pipelines for diagnostics of internal systems, increasing uptime by 25%
- Saved 50 hours per week through data analysis and machine learning reports for leadership

## EDUCATION

### The University of Edinburgh

Sep. 2024 – May 2025

*Computer Science (Master of Informatics Hons.), Upper Second Class*

Remote

### The University of Edinburgh

Sep. 2019 – May 2023

*Artificial Intelligence and Computer Science (BSc Hons.), First Class*

Edinburgh, United Kingdom

## PROJECTS

### DelphAI - Amazon Agentic AI Hackathon | Python, React, AWS Bedrock, Lex, SageMaker, Amplify

Jun. 2025

- Web app for adding documents to a RAG model and MCP server used through an LLM chatbot
- Saved \$10k across 4000 ETL jobs through automated codebase redundancy and similarity analysis

### SlackOracle - AWS GenAI Hackathon | Python, AWS Bedrock, OpenSearch, Lambda, API Gateway

Mar. 2025

- Q&A Slackbot using an LLM, RAG knowledge base, and OpenSearch for internal chat histories
- Saved 3000 hours and \$30k per week and deployed the app company-wide through AWS CDK

## SKILLS

**AWS:** CDK, CLI, boto3, Bedrock, Amplify, QuickSight, Redshift, Athena, DynamoDB, Glue, S3, Lambda, SageMaker

**Python:** TensorFlow, PyTorch, Keras, Scikit-Learn, PySpark, Pandas, Polars, NumPy, Matplotlib, Seaborn, PM4PY

**SQL:** ETL, Redshift SQL, SparkSQL, MySQL, PostgreSQL, Apache Impala, MongoDB, NoSQL

**Tools:** JavaScript, TypeScript, Java, Git, CI/CD, SDK, Airflow, React, Vue.js, Flask, Docker, Spring Boot, Excel

**GenAI:** RAG knowledge bases, MCP servers, prompt engineering, Q Developer CLI, OpenAI API, LLMs, agents