

Ville Turku

Middle Data & Product Practitioner

SUMMARY

Software engineer with proven expertise in designing robust machine learning and data pipeline components. Key experiences include leading the integration of an agentic AI decisioning solution at Braze and crafting data strategies at WE Foundation. Technically proficient in Python, SQL, Spark, and GCP, with strong foundations in software engineering principles for scalability and maintainability. Demonstrated leadership in advancing team culture, significantly reducing model downtimes at SOK. Credited with innovating AI-driven scheduling solutions at Quinyx, contributing over €350K in annual recurring revenue. Currently finalizing a Master's degree in Business Analytics with hands-on application of Business Intelligence, analytics, and data modeling, poised to deliver high-impact results in technology-driven roles.

TECHNICAL SKILLS

Main Technical Skills	Python, SQL, Apache Spark, Google BigQuery, FastAPI
Programming Languages	Python, VBA
AI & Machine Learning	Amazon Machine learning services
Java Frameworks	Apache Spark
Scala Frameworks	Apache Spark
Python Frameworks	FastAPI
.NET Platform	VBA
Data Analysis and Visualization Technologies	Apache Spark, Business Analysis, ETL Pipelines, Looker Studio, Power BI
Databases & Management Systems / ORM	Apache Spark, dbt, MySQL, SQL
Cloud Platforms, Services & Computing	GCP
Google Cloud Platform	Google BigQuery
Industry Domain Experience	Logistics & Supply Chain



UI/UX/Wireframing	3D Modelling
SDK / API and Integrations	FastAPI
Methodologies, Paradigms and Patterns	FDD, POC
Virtualization, Containers and Orchestration	Kubernetes, Terraform
Other Technical Skills	Dagster, Optimism

WORK EXPERIENCE

Data Scientist, Retail Assortment and Space Management Analytics

Duration: January 2023 - October 2023

Summary: Analyzed diverse data sources for retail assortment and space management domain recommendations.

Responsibilities: Analysed data (time-series, lift analyses, clustering, Markov chains), developed self-service analytics tools and reports for category and space management, automated manual processes, ensured robustness of data models.

Technologies: R, SQL, Snowflake, Power BI, Python

Data Scientist / Product Owner, Data Science Solutions for Advertising and Customer Insights

Duration: November 2023 - August 2024

Summary: Delivered and improved end-to-end data science solutions for advertising and customer insights.

Responsibilities: Managed a team of data scientists and engineers, led project execution, streamlined tooling and processes with data teams, enhanced solution robustness.

Technologies: Python, SQL, AWS, Spark, scikit-learn

Data Scientist / Product Owner, Social Inclusion and Equity Transparency Platform

Duration: August 2024 - March 2025

Summary: Facilitated product development for transparency of social inclusion and equity in freetime activities.

Responsibilities: Led data strategy and product development, built data platform, implemented data pipelines, established data-driven culture, conducted BI PoCs.

Technologies: GCP, Kubernetes, Dagster, Terraform, Python, SQL, dbt, dlt, BigQuery, Looker Studio



AI Technical Consultant, AI-Driven Workforce Scheduling Solutions

Duration: April 2022 - December 2022

Summary: Designed workforce scheduling AI solutions and established knowledge-sharing forums.

Responsibilities: Designed and implemented AI-driven workforce scheduling solutions, provided technical advisory to sales, improved product quality, served as an AI subject matter expert.

Technologies: Python, JavaScript, AWS

Junior Product Specialist, Financial Data Modeling and Integrity Improvements

Duration: October 2021 - April 2022

Summary: Built income statement analysis model and improved data integrity for financial datasets.

Responsibilities: Built an income statement analysis model for a credit provider, resolved data integrity issues, supported customers, and contributed to recruitment efforts.

Technologies: Excel/VBA, Python, SQL, MySQL

Machine Learning Engineer, OfferFit by Braze AI Decisioning Component Development

Duration: March 2025 - Present

Summary: Developed machine learning solutions for a personalized customer outreach product.

Responsibilities: Designed and developed components for agentic AI decisioning, collaborated with teams, supported client-facing implementation, and led related initiatives.

Technologies: Python, SQL, Spark, BigQuery, FastAPI, NodeJS

EDUCATION

- **Master of Science in Economics and Business Administration**
- Major in Information and Services Management (Business Analytics), Minor in Systems and Operations Research. Coursework completed, thesis pending (90/120 ECTS).
- February 2021 - Present
- **Bachelor of Science in Economics and Business Administration**
- Major in International Business, Minor in Information and Supply Chain Management. Exchange to Tilburg University.
- September 2018 - February 2021

