

GABRIEL GAUCI MAISTRE

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Senior software engineer with nine years of experience building cloud-native backend, pricing, geospatial and machine-learning systems. Combines production Java and AWS expertise with a data-science background, taking complex systems from modelling and architecture through delivery and operational ownership.

EXPERIENCE

SIXT Munich, Germany
2025 - Present

Senior Software Engineer

- Led end-to-end delivery of SIXT Share's dynamic pricing engine across seven cities in two countries, combining H3 geospatial modelling with production demand forecasting
- Built a walk-forward backtesting framework, selected the strongest demand-forecasting model and productionised it within the dynamic pricing platform
- Led backend delivery of kilometre-based pricing and quote APIs, expanding customer pricing options through cross-team coordination with mobile engineers
- Built reusable AI agents for designing and analysing Statsig A/B tests and refining backend tickets, published internally and adopted by engineers across multiple teams
- Owned pricing and billing reliability, resolving high-impact authorisation, regression and data-integrity incidents and strengthening production safeguards

Software Engineer 2022 - 2025

- Built and operated Java and Go microservices on AWS supporting SIXT's mobility platform, with responsibility spanning implementation, deployment and production behaviour
- Led migrations of legacy Java and Go services to Spring Boot and Go Micro, reducing the legacy footprint and improving maintainability and operational consistency

Senior Data Scientist 2020 - 2022

- Architected geospatial data pipelines (Uber H3, OSMnx) and optimisation models (Integer Linear Programs) for real-time competitor tracking and fleet assignment

Tipico St. Julian's, Malta
2017 - 2020

Data Scientist

- Built machine learning models (scoring, recommenders) and BI pipelines to drive data-driven retail decisions

EDUCATION

Malta College of Arts, Science, and Technology Malta
B.Sc. (Hons) Software Development Sep 2014 - Jun 2017

SKILLS

Languages & Frameworks:	Java, Spring Boot, Python, Go, SQL, Gradle
Cloud & Distributed Systems:	AWS, Kubernetes, Docker, Kafka, gRPC, REST, Jenkins
Data & Observability:	PostgreSQL, Redshift, H3 geospatial, Grafana
Applied AI & Experimentation:	LLM agents, MCP, Statsig, A/B testing
Languages:	English (C2), Maltese (C2), Italian (B2), German (B1)

PROJECTS

Shopping Cart *Spring Boot, React, PostgreSQL* <https://github.com/gabegm/shopping-cart>
Full-stack e-commerce platform built with Java 21, Spring Boot, React and PostgreSQL, featuring JWT security, audit logging, CI and end-to-end tests

Gatekeeping *Java, Spring Boot* <https://github.com/gabegm/gatekeeping>
Enterprise headcount-planning and approval system migrated from Flask and SQLite to Spring Boot and PostgreSQL

Job Grader *Svelte, TypeScript* <https://github.com/gabegm/job-grader>
Job role grading tool that scores and levels roles using the point-factor method