Edoardo Canobbio

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Core Competencies

Languages: Go, TypeScript, Java, PHP, Python

Databases: CockroachDB, PostgreSQL, Neo4j, MongoDB, Redis, MySql, DynamoDB

Cloud: AWS, GCP, Docker, Kubernetes, Terraform

Practices: Agile/Scrum, TDD, E2E Testing, CI/CD

Education

BSc Computer Science University of Turin, 2015–2018

AWS Cloud Practitioner, 2020

Scrum Developer & Master, 2019

Languages

Italian (native)

English (C1)

German (A2)

Projects & Talks

reelo.info: Go-based ELO rating system for Italian Math Games

Trading AI Assistant: LLM powered assistant for stock trading

Talks: gRPC, Clean Architecture, Introduction to Go for Java Developers

Professional Summary

Senior Software Engineer (Platform)
IndyKite (Remote), Aug 2023 − Present

Contributed to the design and improvement of backend services and data workflows, focusing on scalability, performance, and reliability within a distributed system.

[Golang, GCP, gRPC, Neo4j, graphQL, Terraform, CockroachDB, K8S, Docker]

Senior Software Engineer (Payments)
Glofox (Remote), Sep 2021 − Aug 2023

Led technical initiatives across multiple backend services, supported team development, and enhanced code quality and service stability through refactoring and testing practices.

[Golang, AWS, gRPC, MongoDB, Terraform, gRPC, MySql, Graphana, Docker]

Product Engineer (Platform)
Glofox (Remote), Sep 2020 − Sep 2021

Improved system architecture and infrastructure automation, increasing performance and reducing operational costs in a cloud-native environment.

[Golang, AWS, gRPC, MongoDB, DynamoDB, Terraform, REST, PostgreSQL, PHP, Docker, TypeScrip]

Full-Stack Developer
Ti&m (Frankfurt), Oct 2019 − Aug 2020

Delivered full-stack solutions across several projects, with a focus on frontend performance, backend integration, and DevOps processes.

[Golang, Java, TypeScript, Javascript, Firebase, REST, MySQL, Docker, Tensorflow]

Security Intern
Certimeter (Turin), Oct − Nov 2017

Assisted in the development and integration of secure enterprise solutions, supporting infrastructure migration and identity management.

[Java, Javascript, Windows Server, Tomcat, REST, MySQL]

Professional Experience Details

Senior Software Engineer (Platform)
IndyKite (Remote), Aug 2023 – Present

Led the adoption of Google Cloud Secret Manager, securely migrating sensitive data and significantly enhancing the company's security posture, contributing to successful **SOC 2 compliance**.

Enhanced service observability by improving distributed tracing, resulting in an **80% reduction in mean time to recovery**.

Executed a seamless migration from Neo4j to CockroachDB, using feature flags and parameterized tests to maintain uptime. This enabled **multi-region availability** and improved platform resilience.

Refactored high-volume Temporal workflows, replacing 200+ GB JSON-based batch operations with concurrent data streaming, achieving a **10x reduction in memory usage and processing time**.

Senior Software Engineer (Payments)
Glofox, Sep 2021 – Aug 2023

Designed and delivered new features within a serverless architecture, applying Agile practices such as **user story mapping**, **requirement slicing**, and **"three amigos" planning**, accelerating delivery and improving cross-functional alignment among developers, designers, and QA.

Mentored teammates across experience levels, supporting onboarding and technical growth, which contributed to team expansion and improved **developer retention**.

Led the refactoring of critical microservices to enhance reliability and maintainability, resolving **150+ high-priority, customer-facing issues** in six months and significantly improving **system stability** and customer satisfaction.

Promoted testing excellence through rigorous code reviews and test-driven development, leading to a **20% increase in test coverage and overall improved code quality**.

Documented gRPC APIs and integrated **SwaggerUI via a REST reverse proxy**, improving developer experience and boosting **internal tooling efficiency** through easier API discovery and usage.

Product Engineer (Platform)
Glofox, Sep 2020 − Sep 2021

Re-architected an underperforming messaging service by splitting it into multiple scalable runtimes and leveraging **AWS SNS and SQS**, reducing queue wait times from over **90 minutes to ~12 minutes** during peak traffic, and significantly improving **throughput and responsiveness**.

Integrated end-to-end tests into the release pipeline via **CircleCI** for concurrent Golang microservices, increasing **release confidence** and accelerating **delivery velocity** across the team.

Full-Stack Developer
Ti&m, Frankfurt, Oct 2019 − Aug 2020

Re-architected a slow image recognition ML service into a performant front-end application using TensorFlow.js and Angular 2+, reducing average recognition time from over **1000 ms to ~150 ms**, significantly enhancing the user experience.

Automated and accelerated deployments across multiple Firebase projects by integrating GitLab CI/CD pipelines, enabling faster, more consistent, and reliable release cycles.

Optimized ETL data workflows and improved system reliability for a major German bank, enhancing backend data processing and playing a key role in securing the client through strengthened product capabilities.

Implemented a scalable WebView mobile app using React Native with a Firebase serverless backend, delivering an efficient, full-stack mobile solution aligned with client requirements.

Security Intern
Certimeter, Turin, Oct − Nov 2017

Secured web APIs with **Java EE** and **IBM Security Access Manager**, strengthening the security framework to comply with **enterprise standards** and **organizational policies**.

Led the migration of Assembly Line systems for a leading Italian enterprise to **modern infrastructure** leveraging **Tivoli Directory Integrator** and **Microsoft Servers**, driving enhanced **system integration**.