Jacopo Biscella

Software Engineering Team Leader

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Summary

Accomplished Software Engineering Team Leader with a proven record in delivering complex projects. I guide teams to balance innovation with business goals, maintaining an efficient and high-performing environment by leveraging participative leadership.

At Global Relay, led the development of an event based microservice infrastructure targeting $850,000 monthly revenue recovery.

Expert in enhancing team efficiency, evidenced by an up to 40% increase in velocity through agile methodologies at both Global Relay and Ocado Technology.

Skilled in architectural design, I am adept at optimizing processes, while fostering a culture of mentoring, transparency, and continuous learning.

Skills

Technical Skills:

- </> **Programming languages**: Java, Bash; minor experiences in Scala, TypeScript and Python.
- ⚙ **Frameworks and Technologies**: Spring Boot, Apache Kafka, CockroachDB, Eclipose Vert.x, jUnit, Cucumber, Selenium WebDriver, Robot Framework, jBoss javassist.
- ☰ **Tools and Platforms**: Jenkins, Docker, Kubernetes, OpenShift, Git, BitBucket, Jira, Confluence.

Soft Skills:

- 👥 **Leadership Skills**: team building, effective communication, conflict resolution, mentoring and coaching.
- ♥ **Interpersonal Skills**: empathy, cross-functional collaboration, conflict avoidance.
- ◎ **Strategic Project Management**: strategic thinking, risk management, effective delegation.
- ☰ **Agile methodologies**: Scrum, Kanban, TDD (Test Driven Development), BDD (Behavior-Driven Development), Lean

Professional Experience

Global Relay, London, UK: *Global Relay provides fully compliant cloud-based archiving, monitoring and discovery solutions to 22 of the top 25 global banks and over 20,000 customers across 90+ countries.*

As **Engineering Team Leader** at **Global Relay**   **Feb 2023 - current**

- 🏆 **Led a cross functional team** of **eight developers** in implementing an **event based** microservice infrastructure for billing reconciliation with the target of recovering up to **850.000$ per month** of missing revenue.
- 🏆 **Coached** the team in **improving velocity by 40%** and guaranteeing **non regression of features** by coaching the members to adopt agile methodologies such **SCRUM**, **BDD** and **TDD**.
- 🏆 **Mentored** senior team members, fostering **technical ownership**, and **mentorship skills**.
- 💼 Actively participated in the **interview process**, contributing to the selection of high-quality engineers.
- 💼 Established and monitored **performance goals** for team members.
- 💼 Translated **raw requirements into** actionable **backlog items**.
- 💼 Contributed to **architectural studies**, influencing sprint-focused increments.
- ⚙ Tech Stack: based on **Java**, **CockroachDB**, **Apache Kafka**, **jUnit**, **Mockito**, **Cucumber**, **Docker**, **Jenkins**, **Git**, **Kubernetes**.

As **Senior Software Engineer** at **Global Relay**   **Jan 2022 - Feb 2023**

- 🏆 **Enhanced architectural solutions** by integrating Global Relay Message with the meta business portal.
- 🏆 Developed a **distributed state machine** for data reconciliation to ensure **archival compliance**.
- 💼 Led **memory investigation** efforts, performed **application profiling**, and provided **mentorship** to team members.
- ⚙ Tech Stack: based on **Java**, **jUnit**, **Mockito**, **Aerospike**, **Eclipse Vert.X**, **RX Java**, **Cucumber**, **Docker**, **Jenkins**, **Git**, **Kubernetes**.

Ocado Technology, London, UK: *Ocado Technology designs and builds solutions including cloud orchestration systems for automated robotic warehouses, grocery ecommerce platforms and logistics. They provide proprietary technologies for Ocado and third party retailers like Kroger in the US.*

As **Senior Software Engineer** at **Ocado Technology**   Oct 2020 - Jan 2022

- 🏆 Led the **migration** of the legacy system for cloud orchestration of the decant into robotic warehouses to a **microservice architecture**, covering the lifecycle from study to implementation planning.
- 🏆 Streamlined the **CI/CD process**, **reducing** manual setup for new warehouses from over **2 weeks to less than an hour**.
- 💼 Studied and developed microservices supporting robotic warehouses fulfillment.
- 💼 **Coached** the team in **adopting agile principles** to provide predictable metrics for upper management and sustainable task assignments.
- 💼 Organized **educational sessions** to enhance team members' understanding of **architecture concepts** in preparation for system redesign and migration to an AWS/Java platform.
- ⚙ Tech Stack: based on **Java**, **Scala**, **Akka**, **Mockito**, **Selenium Webdriver**, **Apache Cassandra**, **GitLab**, **Cucumber**, **Docker**, **Git**, **Kubernetes**.

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Amadeus, London, UK: *Amadeus develops IT solutions powering air travel and tourism ecosystems globally, processing over 400 million transactions daily across airline partners and travel agencies.*

As **Senior Software Engineer and Scrum Master** at **Amadeus**   Jul 2015 - Oct 2020

- 🏆 Designed and implemented a lightweight AOP (Aspect-Oriented Programming) framework and utilized it to develop a tool to generate tests using live data.
- 🏆 Contributes both to **architectural studies** and implementations to build a **real time microservice platfrom** aimed at implementing a new system to allow customers to interact in real time with Amadeus data in an **event based** fashion.
- 💼 Led **Agile adoption** and served as Scrum Master for globally **distributed teams**, streamlining development processes.
- 💼 **Mentored** less experienced software engineers in various daily activities.
- ⚙ Tech Stack: based on **Java**, **Groovy**, **Apache Kafka**, **jUnit**, **mockito**, **Robot Framework**, **MongoDB**, **Git**, **QF Test**, **Java Swing**, **OpenShift**, **Docker**, **Kubernetes**.

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NetProphecy LTD, London, UK: *Startup consultancy for small to medium-sized companies.*

As **Co Founder** and **Software Engineering Team Leader**   Apr 2011 - Jul 2015

- 🏆 Successfully **managed several teams/projects** for customers in the London and Milan areas using agile methodologies.
- 🏆 Led **IT staff selection** and training both for NetProphecy and customers.
- 💼 Engineered and implemented various **custom business software**, in particular web based ERP/CRM solutions and mobile applications and related backends, by overseeing the **full lifecycle** of the projects.
- ⚙ Tech Stack: based on **Java**, **PHP**, **MySQL**, **jUnit**, **Mockito**, **Selenium Webdriver**, **Cucumber**, **MySQL**, **PostgreSQL**, **J2ME**, **Docker**, **Kubernetes**.

Previous professional experiences (2002 - 2011)

Over the years, I've partnered with various companies and institutions, including the University of Milan and Mixel S.c.a.r.l., to develop cutting-edge mobile solutions. I've contributed to the development of a web-based ERP system utilizing ZK, jBoss AS, and MySQL, collaborated with AIMPES Servizi SRL on numerous IT projects, and engaged with the Italian public administration.

Education

Bachelor Degree in Digital Communication (Comunicazione Digitale), University of Milan   2004

Nationality, Languages and Interests

Nationality: Italian, British.
Languages: Italian (native), English.
Interests: technology, photography, guitars, music, cooking.