

Federica Duraccio

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EXPERIENCE

• Iriscube Reply

Oct 2023 - Present

Consultant - Lead Front-End Developer - Team Management Focus

Milano, Italia

- Coordinated the migration and modernization of internal banking applications for **Intesa Sanpaolo Filiale Digitale**, transforming legacy systems into a scalable, future-ready solution that enhances **efficiency** and optimizes **digital banking services** through innovative architecture and streamlined processes.
- Led the development of **IsyPrestito**, a flagship loan product for **IsyBank**, by coordinating a team of 5 developers. The team modernized legacy processes into a seamless, omnichannel solution that integrates across digital and in-branch channels. The solution received positive feedback for enhancing **user engagement**, adaptability, and flexibility, paving the way for future product innovations.
- Developed expertise in resource management, including **planning**, **micro-planning**, and estimating, optimizing team performance through efficient **project management** and **regular performance evaluations**.
- Contributed to the development of a **customer account sales workflow** for **BPER**, leveraging cutting-edge technologies such as **Angular 14** and a **Microfrontend architecture** powered by **Webpack**, delivering a scalable, maintainable, and future-ready solution.

• Iriscube Reply

Oct 2022 - Oct 2023

Consultant - Lead Front-End Developer

Milano, Italia

- Promoted to *Lead Front-End Developer*, leading a team of 4 developers in the development of **Anticipo Stipendio** and **Spensierata Customer Journeys** for **IsyBank**, driving the bank's entry into the *digital lending market* with innovative loan solutions tailored for online users.
- Developed a hybrid application using **Angular**, integrated into **IsyBank's Mobile App** via **iframe**, designed with a *scalable* and **modular Front-end architecture** to enable future migration to a fully web-based solution. The system ensures seamless interaction between the hybrid app and the host app's ecosystem, driving **innovation and market impact**.
- The **UI** was guided by prototypes provided by UX/UI designers using **Adobe XD**, resulting in a smooth and engaging user experience. Utilized **Bitbucket** and **Jenkins** to streamline **CI/CD** pipelines and optimize deployment processes.
- Designed the loan sales process as *reusable and customizable*, fostering adaptability for future product launches and reinforcing the bank's leadership in **digital finance** solutions.

• Iriscube Reply

Oct 2020 - Oct 2022

Consultant - Front-End Developer

Milano, Italia

- Collaborated as a *Front-End Developer* for **Retail Lending Open** at **Intesa Sanpaolo**, optimizing the *loan sales process* to enhance the *customer journey* through **dynamic, responsive interfaces**.
- Designed and developed *responsive, scalable interfaces* using **Angular 7**, implementing **hybrid solutions** aligned with industry best practices in **API design**, *front-end optimization*, and *performance debugging*.
- Developed *reusable UI components* with a focus on **Microservices architecture**, ensuring seamless integration of front-end and back-end systems with an emphasis on maintainability and scalability.

• AIRLab POLIMI

Sep 2022 - May 2023

Master Thesis Researcher

Milano, Lombardia, Italia

- Conducted research on **emotion detection** to improve human-machine interactions in virtual environments, leveraging **Python** for data processing and analysis in a *wearable device network* with **accelerometers**.
- Applied **AI algorithms** (RNNs, CNNs, DNNs) for emotion classification, enhancing detection accuracy.
- Tested the system with a **custom robot** in the *Physical Metaverse* to simulate real-world applications.
- **Publication:** *Exploiting Accelerometers for Emotion Recognition in the Physical Metaverse Context*. Master's Thesis, Politecnico di Milano, Cirillo, Pasquale; Duraccio, Federica (May 4, 2023).

• Sense Square

May 2020 - July 2020

Software Engineering Intern

Salerno, Remote

- Designed and implemented a **Python** based **ETL tool** to process and analyze **atmospheric pollution data**, enhancing processing efficiency and streamlining data workflows.
- Automated data processing pipelines to ensure accuracy and consistency, significantly reducing manual intervention.

EDUCATION

• Politecnico di Milano

September 2020 - May 2023

Master Degree in Computer Science and Engineering

Milano, Italy

- Grade: 106/110

• Università degli Studi di Salerno

September 2017 - July 2020

Bachelor Degree in Computer Engineering

Salerno, Italy

- Grade: 110L/110

PROJECTS

• Bird Hunt: 3D Game Development in WebGL

Sep 2021 - Dec 2021

Tools: *OpenGL, WebGL, JavaScript*



- Created **Bird Hunt**, a 3D interactive game featuring detailed models, intuitive player controls, and responsive interactions.
- Applied key principles in Computer Graphics, including **rendering, shading, and camera dynamics**, showcasing technical skill in 3D game environments.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript | TypeScript | HTML | CSS | SCSS | Python | Java
- **Web Development:** Angular | Node.js | REST APIs | Bootstrap | Flexbox | CSS Grid
- **Web Architecture:** Scalable & Responsive Design | Front-End Performance Optimization | Accessibility
- **Data Management & Science:** MySQL | PostgreSQL | Pandas | NumPy
- **Cloud & DevOps:** Google Cloud Platform | Microsoft Azure | OpenShift | Jenkins | Git
- **IoT & Embedded Systems:** Arduino | Raspberry Pi | MQTT | IoT Device Integration
- **Log Management & Monitoring:** Splunk | Kibana
- **Design & Collaboration Tools:** Figma | Jira | Confluence | RTC | Teams | Trello
- **Specialized Skills:** Omnichannel Design | Front-End Architecture | Web Accessibility
- **Mathematical & Other Tools:** Excel | Office Suite | Adobe XD
- **Research Skills:** Requirements Analysis | Technical Documentation | Agile Methodologies | Testing Strategies

SOFT SKILLS

- **Leadership:** Team Coordination | Task Delegation | Conflict Resolution
- **Communication:** Client Interaction | Written and Verbal Communication | Cross-Team Collaboration
- **Problem Solving:** Critical Thinking | Root Cause Analysis | Troubleshooting
- **Time Management:** Scheduling | Prioritization | Deadline Management
- **Adaptability:** Open to New Challenges | Quick Learner | Flexible in Changing Environments
- **Stress Management:** Handling Pressure | Staying Composed in High-Stress Situations | Maintaining Productivity Under Deadlines

ADDITIONAL INFORMATION

Languages: Italian (Native), English (Advanced)

Interests: AI and Digital Innovation, Technology and Development Trends, Travel, Photography, Creative Projects