Filippo Alessandro Aiello

e-mail: filippoaiello@filippoaiello.it

website: www.filippoaiello.it

Relevant Skills

I'm a Project Manager (PMI Certified Member) and I have a hybrid skillset as an Software Developer, Interaction Designer and Electronic Engineer.

As a developer, I can develop fully functional web, desktop and mobile applications. In addition, my knowledge in firmware development combined with my electronic engineering skills enables me to create interactive products or high-fidelity prototypes to collect data from integrated sensors or to activate functions.

My knowledge as an Interaction Designer allows me to provide a vision for improving user experience.

I consider the end users of my products at every stage of the conception and design process. I get into their mind, understand their needs, behaviours, and the context of use. In order to do this the research phase for me is fundamental.

Awards

TADHack WebRTC - Winner of the Google Prize
12th April 2015

Music e-learning app utilizing WebRTC and pitch detection.

eContent Award Italy
12th December 2006

Design and development of an intranet application for a train service provider.

Articles Published

Linea Grafica n. 370
July - August 2007

International magazine of Graphic Design.

Computer Skills

Software:
JMeter, Figma, InVision, Illustrator, InDesign, Photoshop, Premiere, Eclipse, Microsoft Visual Studio.

Programming languages:
Python, Java, Processing, C, C++, C#.

Scripting languages:
JavaScript (TypeScript, NodeJS, React, JQuery, CreativeJS, Yeoman, etc.), Bootstrap, SASS, PHP, ActionScript.

Languages:
HTML5, CSS3, XML.

Content management system:
WordPress.

Databases:
SQL Server, MySQL.

Cloud Technologies:
AWS, Microsoft Azure.

Physical prototyping tools and Microcontrollers:
Raspberry, Arduino, PIC, Teensy, ESP, etc.

Versioning:
Source code version control with Bitbucket e GitHub.

Project Management Skills:
Project Management (PMI certification), KPI monitoring, Data Governance, Jira, Confluence.

Professional Experience

Sense Reply	**IoT Project Manager, Software Engineer and Data Analyst**
www.reply.it	December 2021 – Until today
Milan, IT	

- For the final client Haier Europe, I manage activities for the development of hOn, a React Native mobile app. to control physical smart home appliances (Candy, Hoover, Haier, etc.) and the IoT core infrastructure based on Amazon services. Additionally, I handle cost management and KPI monitoring as part of my responsibilities.

- Previously, for the final client Total-Energies, I manage activities of analysis and development for the integration and elaboration of data collection received from energy power plants (solar, wind, hydro) spread worldwide.

- At the beginning, I worked for Enel X, which provides a fast and smart way to charge electric vehicles in the public and private sectors through their charging stations. My day-to-day role was to collect the requirements of the client and manage people and activities.

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Fincons Group
www.finconsgroup.com
Vimercate, IT

IT Project Manager and Software Engineer
February 2019 – December 2021
Planning, control, and management for the creation of web and mobile solutions for clients like Sky, Sole 24 Ore, Filmbank Media and others.

Design Group Italia
www.designgroupitalia.it
Milan, IT

Creative Technologist - IoT Engineer and UX Designer
January 2017 – February 2019

- Responsible for the development of IoT products and high-fidelity interactive prototypes. This includes electronic engineering, hardware & firmware development.
- Development of web and mobile applications.
- UX designer working on any kind of interface: apps, websites, interactive installations, and home appliances.

OMM
www.oneill.co.uk
London, UK

Interaction Designer and Developer
October 2015 - August 2016

- Responsible for the development of interactive applications for digital fixtures in retail, mobile and web. Having Nike as main client a user centred design approach combined with IoT allowed us to create surprising design services, with different touchpoints, always working to short deadlines.
- Supervising and leading the team as principal UX designer from the clients' requirements to the development and testing. Research, analysis, wireframing, sitemaps, user flows and prototyping were usual processes to solve the customers' needs and to provide the best user experience.

UCL / IDEA London
www.ucl.ac.uk/decide
www.idea-london.co.uk
London, UK

UX Associate and Web Developer Engineer Contractor
February 2015 – September 2015

- Offering UX consultancy to start-ups and companies to improve their digital products.
- Conducting research, strategy, design and lead the development of mobile application (iOS, Android) for external clients.
- Development of responsive websites, applications, and interactive products for UCL Decide and IDEA London.

EdComs
www.edcoms.com
London, UK

UX Designer and Web Developer Consultant
October 2014 – December 2014
Conducting research, strategy, design, development, and validation to create educational web applications for all ages.

Frontier Developments
www.frontier.co.uk
Cambridge, UK

Senior GUI Developer
July 2014 – September 2014
Creation of graphic user interfaces, with a rich visual appearance and an engaging interaction, for 3D games running on PCs, game consoles and mobile devices.

RCS MediaGroup

Consultant Web Developer
September 2012 – July 2014

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www.rcsmediagroup.it Milan, Italy	Production of interactive and engaging websites, instant win competitions and applications for different devices, including mobile phones and tablets. In these web competitions, often a catchment area of over 8,000 people was reached in 20 days.

Kaloob

www.kaloob.com
Milan, Italy

Co-Founder

January 2012 – September 2012

- UX designer, developer, and project manager for the creation of digital interactive media content for different devices.
- Organized exhibitions, workshops, and other events with the aim of supporting aspiring entrepreneurs, craftsmen 2.0 and passionate people to put their ideas into production and sell them. (video on Vimeo).

Experentia

www.experientia.com
Turin, Italy

Interaction Designer and Developer

March 2012 - April 2012

Development of an interactive table, integrated in an innovative kitchen, for the Toncelli (www.toncelli.it) and exhibited at the trade fair Salone del Mobile 2012. As an Interaction Designer, I supported the team in designing all aspects related to interaction and content to use, considering the limitations of the hardware adopted. As a programmer, I developed all the software.

Dodicitrenta

www.dodicitrenta.com
Milan, Italy

Flash ActionScript Developer

June 2010 - January 2011

Led the development of games and web sites for different kinds of platforms including Facebook and other social networks.

Aleide

www.aleide.it
Milan - Italy

Interaction Designer and Developer

May 2010

Produced a 3D interactive menu for "Sistema Europeo della Ricerca". One of the lay features is the ability to navigate to the structure of different categories viewing the sublayers.

YOOX Group S.p.A

www.yoox.com
Milan – Italy

Flash/ Flex ActionScript Developer

February - April 2010

Developed websites for many famous fashion brands like Armani, Dolce & Gabbana, Calvin Klein, Prada, etc.

Vorwerk Folletto srl

www.vorwerk.com
Milan - Italy

Flash ActionScript Developer - Designer

November - December 2009

Designed and developed an Adobe Air application to install on PCs connected to HD TV touch screen, in the commercial offices and service centers, to show the content in real time and with a customizable layout.

RapidShare

www.rapidshare.com
Cham - Switzerland

Flash/ Flex ActionScript Developer - Interaction Designer

June - September 2009

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- Designed and developed an MP3 and video player to allow clients to access their files on their space account.
- Designed and developed a desktop Air application with capabilities like upload, download and share files. Import and export contacts in CSV files. Record data on their local drive and on the server.

FreshWeb

www.freshweb.com.au
Sydney - Australia

Flash/ ActionScript Developer - Interaction Designer

February - March 2009

Designed and developed web form builder that gives the client the opportunity to drag various elements to the stage like input texts, labels, buttons, etc. and to set various properties. The projects of every client are stored on a server and accessible by login.

Singleton Ogilvy Interactive

www.singogilvy.com.au
Sydney – Australia

Flash/ ActionScript Developer

November 2008 - January 2009

- Designed (alongside other team members) the entire development of a game for Flora (www.floraloveyourheart.com.au) using physic engine API.
- Developed a website for Vivacity (www.sydney.com/vivacity).
- Developed various banners for different companies.

McKinsey & Company

www.mckinsey.com
Sydney - Australia

Flash/ ActionScript Developer

October - November 2008

Developed concept, designed, and developed it into an interactive presentation.

Wasabi

www.wasabidigital.com.au
Sydney - Australia

ActionScript/ PHP Developer

May - July 2008

- Production of educational games for a web platform.
- Production of a website for Sony Ericsson for the W760 handset launch using Papervision 3D API.
- Creation of advertising banners for Bonds using Eyeblaster.
- Production of a web application for Aliten (www.aliten.com.au).

NextMediaLab

www.nextmedialab.it
Milan - Italy

Developer - Researcher - Innovation Designer

June 2007 - April 2008

- Production of a multimedia CD for insurance SAI containing games to teach employees the corporate values.
- Production of a multimedia CD for Costa Crociere containing courses to teach English to their employees.
- Development of concepts, researched their feasibility, and then designed and developed the chosen concept to produce innovative products for various fashion brands.

Esitel

Milan - Italy

Interaction Designer - Developer

August - October 2007

Production of an audio player for the law enforcement industry with telephone wiretapping functions.

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NextMediaLab www.nextmedialab.it Milan - Italy	**Innovation Designer - UX Designer - Developer** October 2006 - May 2007 • Design and production of a video-blog, websites, games, software for e-learning platforms. • Research and development of an innovation design concepts including those for Expo 2015 (click here for the video);

Education and Training

PMI (Project Management Institute) www.pmi.org	**PMI Certified Member** July 2024 Advanced knowledge and skills in project management, including project planning, execution, and leadership, recognized globally.
Experis Academy www.experistech.it Bergamo, Italy	**Course in Data Science** June - July 2019 SqlServer TSql, Cloud with Azure, PowerBI, R language, Machine Learning supervised and unsupervised, Predictive Maintenance, Python, Computer vision, Databricks.
Domus Academy www.domusacademy.com Milan, Italy	**Master's Degree in Interaction Design** January 2011 - December 2011
Politecnico di Milano www.design.polimi.it Milan, Italy	**Master's Degree in Industrial Design** October 2005 - April 2008 Graduation in time with a final mark of 110/110.
Politecnico di Milano www.design.polimi.it Milan, Italy	**Bachelor's Degree in Industrial Design, Communication Branch** October 2002 - September 2005
IESTA Milan, Italy	**Web Architect Specialisation course in Java and Visual Basic programming technics** January 2002 - July 2005
P.I.L. Milan, Italy	**Web Architect Engineer Certification** March 2002 - October 2002

Languages

Native language	**Italian**
Other	**English** Full professional proficiency