

ALESSIO MONESI

curriculum vitae



Personal Data

Born in MILAN(MI), ITALIA, 03/04/1992

Resident in VIA MANZONI 29 - 20010 BAREGGIO(MI)

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Citizenship: ITALIAN

Education

- 28/04/2017
MASTER DEGREE IN COMPUTER SCIENCE AND ENGINEERING - INGEGNERIA INFORMATICA at POLITECNICO DI MILANO
Thesis: Conversational interaction with clients and consistency of operating processes: an architecture that combine the generative approaches with the pattern based models
Grade: 91/110
- 24/07/2015
BACHELOR DEGREE IN COMPUTER SCIENCE - INGEGNERIA INFORMATICA at POLITECNICO DI MILANO
Grade: 87/110
- 2011
High School Degree: TECHNICAL INDUSTRIAL at ISTITUTO TECNICO IND.LE E. ALESSANDRINI (VITTUONE - ITALIA)
Mark: 73/100

Professional Experience

- Dozens of jobs during the high school
- From November 2016 to January 2017
Stage at Horizon Security S.r.L - Company specialized in Cyber Security. I learned how to use a lot of softwares in the security field and I have seen integration to existing softwares.
- May 2017 to October 2017 - Web Developer at Coreconsulting S.p.A
Company specialized in employee skills training. I have developed architectures and formative objects for the employees of national and international companies.
Technologies involved: Javascript for the logics, Handlebars in order to manage the templates written in HTML5 and SASS technology to manage CSS files

- October 2017 to June 2019 - Full Stack Developer at Revevol S.r.L
 Google Premier partner company, Microsoft and Facebook partner. I have developed software hosted on the Google Cloud Platform using the main technologies offered and attended Google workshops and conferences. I have developed for AODocs, a Revevol product, document management services and worked for a Workflow management project on the RunMyProcess platform.
 Technologies involved: Javascript, Angular, Java, HTML, CSS, React
- June 2019 to March 2020 - Full Stack Developer at Deloitte Digital
 Service line dedicated to e-commerce platforms for national and international brands. I developed e-commerce sites on Salesforce Commerce Cloud CMS for the Calzedonia group brands: Intimissimi, Tezenis, Signorvino, Calzedonia.
 I entirely developed and managed the whole structure related to the customization of products for the Intimissimi site.
 Web oriented development experience with the usage of HTML, Scss, Javascript ES5 and ES6 with JQuery and AJAX towards the API exposed by Commerce Cloud.
 Technologies involved: Javascript, JQuery, Javascript ES5 and ES6, HTML, CSS, CMS Salesforce Commerce Cloud
- March 2020 to July 2022 - Front-End Engineer presso ContentWise
 Company specialized in the development of digital solutions with the usage of AI, machine learning and recommender systems. I worked as a Frontender on the realization and the maintenance of editorial portals aimed at the management of user personalization and user recommendation for important entertainment services like Sky, Mediaset, Telefonica and La Repubblica.
 Technologies involved: React, Gatsby, NextJS, Vercel, Angular, Javascript, Typescript, HTML, CSS, Scss, Typescript and Javascript
- July 2022 to Today - Project Lead and Senior Front-End Engineer at Facile.it
 Web Company dedicated to the back-end and front-end development of digital solutions for comparing insurance, loans, mortgages, home internet rates, energy and telephony. I worked on the creation and maintenance of the Insurance area of the product.
 - o July 2022 - August 2024: Senior Front-End Engineer - Front-End development of applications, unit, integration and end-to-end tests of motor and non-motor vertical products.
 - o August 2024 to today: Senior Front-End Engineer and Project Lead: Front-End development of applications, unit, integration and end-to-end tests of motor and non-motor vertical products and project lead on internal projects thanks to the use of artificial intelligence technologies
 Technologies involved: React18, NextJS, GraphQL, StoryBook, Javascript, Typescript, CSS, Playwright.

Side Projects

- aQuadro - www.a-quadro.com
 aQuadro is an innovative platform that offers automated solutions for the analysis and evaluation of economic and financial data relating to public administration bodies.
 The application retrieves data from the openBDAP portal, the portal of the General Accounting Office of the State that allows you to analyze Public Finance data and with a model studied by a friend, an employee of the Ministry of Economy and Finance, we have developed a web app that automates the financial health analysis processes of public administration bodies.
 I developed the Front End infrastructure using React and NextJS and relying on cloud functions firebase for the management of the Back End. Technologies involved: React, NextJS, FireBase, Google Cloud Functions

Foreign Languages

- UK English
Writing: Excellent - Speaking: Excellent
Grades based on Toeic Exam (Grade: 825) and an High School experience in Dublin in 2006

Knowledge

- Operating Systems
Softwares: Windows, Linux, macOS mobile e desktop, Android
- Programming Languages
Softwares: Java, PHP, JavaScript, Angular, Java EE, Ruby on Rails, Enterprise JavaBeans, HTML, CSS, C, XML, React, Typescript
- Text Elaboration
Softwares: Apache OpenOffice, Microsoft Office Word, Microsoft Office PowerPoint, Latec, Microsoft Office Excel
- Database Management
Softwares: MySQL, PHPMyAdmin, PostgreSQL
- Softwares seen in general
ArcGIS, Qgis, GEOcms, WEBGis
Microsoft RMS e Active Directory
Git software
Heroku for the management of the project Thesis's architecture

Developed Projects during the studies

- From April 2014 to June 2014: Sheepland - Project developen in collaboration with Politecnico di Milano.
Reproduction of a table game developed in Java. Project valid for the final test of the bachelor degree at Politecnico di Milano.
Technical parts: Project written completely in Java. Swing was used for the graphic part.
Functional parts: I have coordinated the entire Front End part writing it on my own, taking care that this part was in line with the backend part of the project.I chose classes and code organization.
Team: Alessio Monesi, Alessandro Innocenti.
- From Febbraio 2015 to June 2015: MeteoCal - Project developed in collaboration with Politecnico di Milano
Web Application developed in Java EE
The application manages a database of registered users, with a mail and a password valid for the login phase. The application, furthermore, a calendar where the user can schedule events and invite other registered users to created events, providing informations like weather in the event's location. I have implemented a notification system. Project valid for Software Engineering 2, a course in the master degree.
Technical parts: Project written in Java EE, SQL language in order to talk with the database hosted in MySQL with a Glassfish local server.
Functional parts: I have coordinated all the parts of the projects. All the organization of the code was written on my own. I chose the organization of classes and packages of the backend and frontend parts. The architecture, in general, was imposed by the professore, but the organization of the code was an our job.

Team: Alessio Monesi.

- From February 2016 to September 2016: RailWatch - Project developed in collaboration with Politecnico di Milano
Application for Android operating Systems that provides informations about searched train delays. There is the possibility to search and save the favorite trails with an implemented notification systems that greet you when you cross the Geofence of the saved stations.
Searching of the best trains depending on the delays and notification sent on the connected smartwatch with application locked and switched off.
Application developed in collaboration with Telecom Italia JOL-S cube, project valid for Design and Implementation of Mobile Application, a course in the master degree.
Technical parts: Project written in Java for Android, in the development Firebase was used as mobile platform.
Functional parts: I have coordinated the entire Front End part writing it on my own, taking care that this part was in line with the backend part of the project. I chose classes and code organization.
Team: Alessio Monesi, Marco Molinaroli.
- From October 2016 to April 2017: Pamela - Thesis developed in collaboration with Politecnico di Milano
Application valid for the master thesis at Politecnico di Milano
The application is a chatbot living on Telegram Messenger. The application provides a chat that allows the users to specify shopping orders, using the natural language, within a famous Italian supermarket chain. The application gives you information about the nearest supermarket and sends notifications that alert you that the order is ready for the pick up and the payment.
I have developed an interface available at botpamela.herokuapp.com dedicated to the employees of the supermarket. In the webapp, you can manage the order, see the orders and send messages to the users about news or orders' information.
Technical parts: Project written in PHP for the backend part and Javascript and HTML with CSS for the graphic parts. The webApplication uses PHP in order to talk with the database and HTML and CSS for the frontend part. All the project is hosted on the Heroku IaaS, for this reason the WebApplication is reachable following the link: botpamela.herokuapp.com
Functional parts: In this project I chose the architecture, the language, the structure of the backend, the database, and I have coordinated all the parts of the projects on my own. All the organization of the code was written by me. I chose the classes and packages of the backend and frontend parts and I have designed the entire prototype of the application searching for the more efficient for a chatbot. After a month of researches I have chosen a cross technology, as I have explained in the thesis, that would cover my needs: a chatbot with a pattern based approach mixed with a generative model. The architecture, Heroku, was chosen by me and also the interaction with the database was chosen by me.
Team: Alessio Monesi