Alessio Benenati

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ABOUT ME

I am computer engineering MSc student at the University of Bologna.
I have been strongly passionate about informatics since high school, nowadays I am focusing my studies on software engineering, web development, and artificial intelligence.
In the future I would like to learn more about android and game development

TECHNICAL SKILLS

Languages

- Deep knowledge of C: I utilized C mostly to experiment the low-level aspects of informatics such as concurrency, sockets and RPC based applications.
- Deep knowledge of Java: I utilized both low-level and high-level features of the language going from concurrency, sockets and RMI based applications to GUIs development using JavaFX, web servers employing both the Servlet/JSP and the WebSocket technologies and database communication, also using the Hibernate framework.
- Good knowledge of HTML, CSS and JavaScript: I utilized these languages mostly in the field of front-end development, also using both simple and more complex libraries such as jQuery and ReactJS; I also I encountered JavaScript in backend development with NodeJS technology.
- Good knowledge of SQL: I studied both DDL and DML, particularly I viewed the IBM DB2 dialect for database course at the bachelor, while I utilized the MariaDB dialect for NoteX, an application developed for the software engineering course.
- Good knowledge of Python: I utilized this language in the field of Computer Vision with the PyTorch library experimenting with Object Detection and Classification.
- Good knowledge of Kotlin: I'm currently studying this language applied to the field of android development, also using the Jetpack Compose library.
- Basic knowledge of Prolog: I'm currently studying logic programming during my AI course, in particular I want to delve deeper into tuProlog, a prolog engine written in java at the University of Bologna interoperable with jvm based languages

DevOps tools

- Deep knowledge of Git
- Deep knwoledge of GitHub
- Good knwoledge of Ansible
- Good knwoledge of VirtualBox
- Good knowledge of Docker
- Basic knowledge og Gradle

IDEs

- Deep knowledge of Eclipse both standard and enterprise editions
- Deep knowledge of Visual Studio Code
- Good knowledge of DBeaver
- Good knowledge of Visual Studio
- Good knowledge of VirtualBox
- Basic knowledge of Android Studio

OS

- Deep knowledge of Unix/Linux systems, in particular of Debian-based distros
- Good knowledge of Windows

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

WORK EXPERIENCE

Academic Tutor for the 'Fondamenti di Informatica T2' course
Alma Mater Studiorum Università degli Studi di Bologna [02/2024 – Current]

City: Bologna | **Country:** Italy

I help students learning java, solving their dubts during lab lessons or via email

EDUCATION AND TRAINING

Laurea Magistrale in Ingegneria Informatica
Alma Mater Studiorum Università degli Studi di Bologna [10/2023 – Current]

City: Bologna | **Country:** Italy | **Website:** https://www.unibo.it

Laurea Triennale in Ingegneria Informatica
Alma Mater Studiorum Università degli Studi di Bologna [09/2020 – 10/2023]

City: Bologna | **Country:** Italy | **Website:** https://www.unibo.it | **Final grade:** 109/110 | **Thesis:** Estensione Applicazione: Riprogettazione del frontend mediante tecnologia ReactJS

During my thesis work I utilized the WebML modeling language and the ReactJS framework to design and implement the frontend of NoteX, a web application for sharing notes between students developed for the software engineering course.

Diploma
Liceo Scientifico Rambaldi Valeriani [09/2015 – 07/2020]

City: Imola | **Country:** Italy | **Final grade:** 90/100