Giorgio Chirico

Graduated in Computer Science Engineering (class L-08)

With a strong interest in programming languages, operating systems, cybersecurity, i'm committed to continuously updating my knowledge on current technologies and ensuring their secure application. Willing to work in application development and computer security.

General Infos & Contacts

- Birth: 11 Sept 2000, Segrate (MI)
- Living at
  Bellinzago Lombardo (MI),
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Links

- in https://tinyurl.com/gchirlinkedin
- github.com/giorgio-hash

Front-end Technologies

- </> HTML e CSS (optimal)
- </> Bootstrap (basic)
- </> JavaScript (optimal)
- </> Java JFC (intermediate)
- </> Flutter (intermediate)
- </> Vue.js (basic)
- </> React (basic)

Back-end Technologies

- </> Docker (optimal)
- </> Docker Compose (optimal)
- </> Java Spring (optimal)
- </> Node.js (intermediate)
- </> PHP (intermediate)
- </> Python Flask (basic)
- </> C# .NET (basic)

Query Technologies

- </> SQL (optimal)
- </> Transact-SQL (basic)
- </> XML (intermediate)
- </> XPath (intermediate)
- </> Python SQLAlchemy (basic)
- </> Python Pandas (basic)
- </> MongoDB CLI (basic)

Education

Second Degree Bachelor in Computer Science Engineering

University of Bergamo, Dalmine (BG)

- Semptember 2023 - oggi
- full-time attending Student. Specialization in network systems
- IT skills: pattern (Singleton, Visitor, Factory), GDB memory analisys, x86 Assembly, algorithm optimization
- Engineering skills: operations research, process identification, prediction and modeling

First Degree Bachelor in Computer Science Engineering (85/110)

University of Bergamo, Dalmine (BG)

- September 2019 - September 2023.
- Thesis: "Docker Escape Vulnerability"
- IT skills: Web-app on AWS, distributed systems, non-relational databases, database trigger, Android, multi-threading programming, software engineering (Waterfall, Agile, Scrum model), MIPS Assembly
- Engineering skills: statistics and stochastical models, electrotecnics, digital and analog electronics, automation, Risk Management

Computer Technician Diploma (79/100)

Guglielmo Marconi Institute, Gorgonzola (MI)

- September 2014 - June 2019
- relational databases, procedural languages, static and dynamic web programming, XAMPP, MVC

Work Experience

Java Programmer, (School-Working program)

IT consulting *Open Gate*, Gorgonzola (MI)

- June 2017 - July 2017
- 2D game developed using Java

Private Teacher, autonomous

smart-working and on-site

- 2020 - today
- Help for high school (and university) students in their study and orientation. Emphasis on empathy, maintaining the professional role of guide.

Project Management

</> Git Bash (optimal)

</> GitHub (intermediate)

</> DockerHub (intermediate)

</> UML (intermediate)

Programming & Scripting

</> Java (optimal)

</> C (intermediate)

</> C++ OOP (intermediate)

</> Python (intermediate)

</> Bash Linux (intermediate)

</> Scala (basic)

</> awk,sed (basic)

</> Windows Batch (basic)

</> Assembly x86 (basic)

</> Assembly MIPS (basic)

Soft Skills

○ flexibility in learning languages

○ teamworking

○ problem solving

○ problem analisys

○ information gathering

Languages

🔤 English (B2)

🔤 German (A1)

Hobbies

Acquariums, gardening

Other Knowledge

About databases:

- DBMS phpMyAdmin, MySQL, MariaDB, SQLite3
- InnoDB for MySQL database data backup

About software engineering:

- CI/CD using GitHub Action, Maven, DockerHub
- event-based system implementation using Kafka Confluent, Zookeeper, Kafdrop
- unit testing using junit
- API testing using Postman
- integration testing in Spring
- testing and reporting using Maven, SonarQube (Spotbugs, PMD, Checkstyle)
- live processes debug using `gdb`, `ptrace`, `strace`
- network analisys netcat, nmap, curl, Wireshark
- low-level Assembly code analisys
- binary analisys in ELF format

About OS and virtualization:

- security tools in Linux: SELinux, AppArmor, Seccomp
- OS Linux Fedora-based(CentOS 7,8) and Debian-based(Ubuntu)
- VirtualBox, VM private network, exposing VM ports
- boot loader GRUB, Linux kernel customization, Dual Boot Windows/Ubuntu

About documentation:

- good knowledge of LaTex
- plotting in Python using Plotly library
- good knowledge of StarUML, draw.io
- good knowledge of Microsoft Word, PowerPoint
- can create/edit VBA Macros in Excel