

Christopher Domenicano

Backend Engineer

Dedicated and proficient 21-year-old backend engineer with a strong passion for all aspects of the IT world, including graphics and video game development, as well as low-level programming.

PROFESSIONAL EXPERIENCE

Backend Engineer

Italy, Frosinone (Remote)

Humans.Tech

May 2025 - Current

- Maintained and optimized high-performance backend services using a TypeScript stack and AWS cloud infrastructure, achieving up to a 5x improvement in API performance.
- Designed and implemented real-time communication systems using WebSockets for low-latency data exchange.
- Built fault-tolerant asynchronous workflows with AWS SQS to handle fragile tasks (e.g., email unsubscriptions) ensuring events were reliably registered.
- Scaled products from MVP to production-ready solutions, improving resilience, maintainability, and throughput under increased user load.
- Led feature deployments and critical bug fixes, ensuring minimal downtime and rapid delivery of new capabilities.

Frontend Developer

Italy, Bozen (Remote)

Sinnefo Srl/GmbH

May 2024 - May 2025

- Collaborated with a team of frontend and backend developers to maintain already existing projects using technologies such as React and NextJS.
- Created mobile solutions using Expo and React Native.

Backend Developer

Italy, Turin (Hybrid)

Reply Blue (Bit Spa)

August 2023 - May 2024

- Worked with a team of 10+ individuals from Italy, Germany and USA to define requirements, architecture, and deliver high quality production code for multi-billion dollar companies.
- Implemented event-driven software solutions using Kafka and SQS to ensure asynchronous processing and improve request handling in critical sections.
- Integrated AWS products (S3, SQS, and Lambda Functions) along with MySQL and MongoDB databases directly into Spring, significantly reducing overall project complexity.
- Leveraged Spring DataFlow to create vast and efficient data pipelines, handling over 1GB of data per minute.
- Designed and implemented multiple backend applications within a microservice architecture with Redis, efficiently processing millions of daily requests, while maintaining both scalability and maintainability.

EXTRACURRICULAR ACTIVITIES

Occasional Freelancing

Italy

Self-employed

August 2022 - Current

- Collaborated occasionally with various clients, delivering products with a high satisfaction rate.
- Utilized various technologies, particularly React for front-end projects and Python/Java with Selenium for web scraping tasks.

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[Linkedin](#)

[Portfolio](#)

[GitHub](#)

SKILLS

Languages: Java, TypeScript, Python, SQL, Assembly (NASM)

Backend: Spring & Spring Boot, AdonisJS, AWS, MySQL, Kafka, Redis.

Frontend: React, NextJS, TailwindCSS

Misc: Node.js, OOP, Microservices, Docker, Postman, Git, Linux

LANGUAGES

Italian (Native)

English (Professional, B2)

EDUCATION

Bit Spa - Fullstack developer course

June 2023 - August 2023

- Acquired skills regarding software engineering and popular frameworks such as Angular and Spring.

Galileo Galilei High School

Sept 2020 - July 2023

- High School Diploma (100/100)

PERSONAL PROJECTS

VitoBot

Typescript, NodeJS, Discord

- Create a Discord bot to manage Minecraft servers using Discord.js
- Deployed the project on a on-premise solution using Proxmox and Docker.

INTERESTS

Programming and Software Engineering, Bodybuilding, Formula 1, Video Games, Modded Minecraft