Guglielmo Bartelloni

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Education

University of Florence, Italy | *GPA: 4 Honours*   *July 2024*
Bechelor's | *Computer Science*   *Italy, IT*
Focus | *Backend Development and Machine Learning*

Cambridge
PET | *English Certificate*

Skills

Expertise: Backend Development | Software Architecture | Infrastructure Management | TDD | Agile
Technologies: Elixir/Phoneix | Erlang | Java | Spring Boot | Python | Apache Kafka | PostgreSQL | MongoDB | AWS | Git
Languages: Italian | Japanese | English

Experience

Fullstack Software Engineer | *Intesa Sanpaolo*   *November 2023 - Present*
Specializing in building the financial transaction engine

- Building transaction processing engine with **Spring Boot** and **MongoDB** to unify legacy applications
- Event management with **Apache Kafka** to stream events across microservices
- Working with microservices architecture on **Kubernetes**
- Modern Frontend development with **Angular**

Software Architect and DevOps Engineer | *Konverty srl*   *October 2019 - May 2022*
Building the main infrastructure with containerization technologies on AWS   *Full Remote*

- Architecting the infrastructure with **ECS** and **PostgreSQL** improving the resilience of the system
- Session management with **Redis** for distributed session across applications improving user experience
- Building microservices with **Elixir** and **Go** exploring new technologies to build applications
- Implementing **CI/CD** pipelines with **Github Actions** to speed up the development workflow

Projects

neatnotes.nvim | *neovim plugin*
A Neovim plugin for efficiently capturing and organizing code snippets and notes directly from neovim

- Contribute to the open source community
- Improve the workflow for my coworkers and myself.

Chat Application | *A simple chat app written in Erlang*
A simple chat application that allows users to create, join, and manage chat rooms. Users can also send private messages and create private rooms with controlled access.

- Networking and Real-Time Communication: designed a chat system that allows multiple users to interact in real-time.
- Managed room ownership and private room invitations.
- Learned the inner workings of the TCP/IP protocol and the concurrency challenges

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Black Belt | *Karate*   *2007 - 2017*
Learning high discipline, focus and concentration

- Improving both mental and physical health