






RICCARDO FORZAN

MSc Computer Engineering

 Padova, IT
 3rd October 1999

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 riccardoforzan.me
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EXPERIENCE

- 12/2024 – ongoing **Backend Engineer** XTN Cognitive Security
Working on event-driven, data-intensive backend systems
- 10/2023 – 12/2024 **IT Consultant** Blue Reply
Worked on backend and DevOps projects across distributed systems and cloud environments:
- Developed Java/Spring Boot services as part of decomposing a monolith into a service-based architecture. Containerized workloads with Docker and contributed to CI pipelines.
Supported major deployments as configuration manager.
- In a DevOps initiative on Azure Cloud, managed Kubernetes workloads, provisioned infrastructure and telemetry with Terraform, and contributed to CI/CD pipelines for scalable and on-demand deployments.
- 7/2021 – 6/2024 **Research Staff** Università degli Studi di Padova
Development of web-based tools to store real-time data and machine learning models.

EDUCATION

- 2021 – 2023 **Master's Degree in Computer Engineering** Università degli Studi di Padova
Focused on algorithms, architectures, and technologies for data management and processing on the web. Expertise in information linking and retrieval at large scale.
- 2018 – 2021 **Bachelor in Computer Engineering** Università degli Studi di Padova
Comprehensive curriculum with focus on Mathematics, Physics, Electronics and Computer Science
- 2013 – 2018 **High School Degree** ITI Francesco Severi
Specialization in computer science; studied operating systems, programming, and networks.

SKILLS AND KNOWLEDGE

Programming Languages:	Python, Java, Kotlin, JavaScript, PHP, C
Web APIs & Web Development:	REST API, Spring Framework, Spring Boot, Laravel
Data Management:	Apache Spark, Apache Kafka (including the Connect framework and Streams), Apache Airflow
Database:	SQL, MongoDB, SPARQL, Neo4J, RDF
Search Engines:	Apache Lucene, Elasticsearch
DevOps:	Linux, Bash, Git, Docker, Docker Swarm, Kubernetes (CKAD), Terraform, Prometheus, Jenkins, Azure Pipelines
Machine Learning:	scikit-learn, PyTorch

INTERESTS

My main interests are in **back-end development**, **DevOps**, and **concurrent programming**. I'm passionate about building efficient, scalable and self healing cloud-native systems. My academic background also includes a focus on **concurrent and distributed systems**, and I enjoy tackling the challenges of parallelism.

LANGUAGES

Italian - native
English - competent

HOBBIES

Passionate about mountain hiking, enjoying the companionship of dogs and powerlifting. Also into homelabbing, maintaining a nearly fanless single-node Kubernetes cluster.