

Davide Chirichella

Computer Engineering Master's Student | Distributed Systems & Junior DevOps Engineer



Personal Information

Full Name	Davide Chirichella
Date of Birth	November 10th, 2003
Citizenship	Italian
Current Location	Bologna, Italy
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GitHub	github.com/chirichexe

Profile

Junior engineer and Master's student in **Computer Engineering** at the University of Bologna with hands-on experience in **distributed systems**, **cloud-native architectures**, and **DevOps practices**. Focused on designing and operating scalable microservices systems using Kubernetes and infrastructure-as-code. Experience spans backend development, CI/CD automation, and cloud-edge architectures for IoT environments.

Education

2025 – Present	Master's Degree in Computer Engineering <i>Alma Mater Studiorum — Università di Bologna, Bologna</i> Actual GPA: 29.5/30 <ul style="list-style-type: none">Focus on Distributed Systems, Parallel Computing, and Cloud-native architectures.
2022 – 2025	Bachelor's Degree in Computer Engineering <i>Alma Mater Studiorum — Università di Bologna, Bologna</i> Grade: 107/110 <ul style="list-style-type: none">Thesis (Curricular Internship at DISI): "Performance Analysis and Monitoring in Cloud-Edge Environments for IoT"Developed a cloud-edge distributed system for orchestrating IoT devices using Kubernetes Operators, Crossplane, and Istio Service Mesh.Designed full observability stack with Prometheus, Grafana, and OpenTelemetry.
2017 – 2022	High School Diploma <i>Liceo Scientifico Galileo Galilei, Potenza</i> <ul style="list-style-type: none">Focus on Adobe Creative Cloud, Multimedia Content Production, and Graphic Design.

Experience

Feb 2026 – Present

Junior DevOps Engineer

HoDiritto (Startup), Hybrid

- Led the end-to-end system design and infrastructure architecture for an early-stage MVP.
- Managed service containerization and implemented API security best practices.
- Provisioned cloud infrastructure using Terraform and automated CI/CD pipelines.
- Configured the complete observability stack and handled the setup of DNS, servers, and corporate mail systems.

Feb 2026 – Present

Academic Tutor (System Administration)

Alma Mater Studiorum — Università di Bologna, Bologna

- Supported undergraduate course “System Administration and Security”.
- Delivered hands-on guidance on Linux system administration, shell scripting, and security practices.
- Assisted students in debugging and system-level problem solving.

2023 – 2026

Software Engineer

Project Quality Systems S.R.L., Remote

- Developed and maintained a C# desktop application for audit management.
- Designed and implemented full-stack features using React.js, Node.js, and MySQL.
- Contributed to the evolution of a corporate management platform.
- Collaborated in requirements analysis and feature design.

Projects

Cloud-Edge IoT Orchestration Platform (Internship project)

- Designed a distributed architecture for managing low-power IoT devices across edge and cloud environments using Istio and Kubernetes.
- Implemented Kubernetes Custom Resources and controllers for device orchestration.
- Integrated Crossplane for dynamic infrastructure provisioning.
- Built observability pipeline using Prometheus, Grafana, and OpenTelemetry.

Open-source Contributions (GitHub)

- Contributed to distributed systems and DevOps-related projects.
- Focus on Kubernetes tooling, automation, and cloud-native workflows.

Technical Skills

Languages

Go, C, Java, C#, JavaScript (React.js, Node.js), Python, SQL, NoSQL databases, CUDA.

Cloud & DevOps

Kubernetes, Docker, Terraform, Ansible, Vagrant, CI/CD pipelines, Istio, Crossplane.

Observability

Prometheus, Grafana, OpenTelemetry.

Systems & IoT

Linux system administration, shell scripting, MQTT, Cybersecurity.

Tools

Git, Adobe Creative Suite (Photoshop, Illustrator, Premiere).

Languages

Italian

Native.

English

B2 - Cambridge English First (FCE).

Bologna, April 24, 2026

Davide Chirichella

I authorize the processing of my personal data in the curriculum vitae pursuant to Legislative Decree 30 June 2003, n. 196 and art. 13 of the GDPR (EU Regulation 2016/679) for the purposes of personnel research and selection.