Riccardo Colella

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Overview

I am a Computer Scientist and Engineer, graduated from Politecnico di Milano, KTH Royal Institute of Technology, and EIT Digital. I am passionate about writing high-quality code and I am willing to learn new things. I have interest in cybersecurity, the financial industry, and blockchains. I have been a school president and participated in many scientific competitions since high school. Thanks to these experiences I learnt to organize my own/my team work and to present the achieved results. I am learning German.

Experience

DevOps Engineer, Brainloop AG – Munich, DE   May 2023 – Today
- *Saved € 30k/year* implementing a **Python k8s operator** to comply to market specific regulations
- *Saved 12+ hr/mo* automatizing procedures with **Python** and **shell** scripts
- *Reduced data delay* in **Elasticsearch** from *2+ hours to few seconds* optimizing data processing
- *Improved observability* of the systems implementing **Prometheus** rules and **Grafana** dashboards

Software Engineer, Amadeus – Erding, DE   Oct 2021 – May 2023
- *Set up monitoring and alerting* for different middlewares, using **Prometheus** and **Splunk** and **Grafana**
- *Responsibility for the Secret Management* solution, I've updated and restructured it and its **CI/CD** pipeline.
- *Developed e2e automation of new clusters creation* on **Azure** with **Terraform** and **ArgoCD** through **IaC**

Data Scientist, Telenor SE – Stockholm, SE   Jan 2021 – Jun 2021
- Developed a trouble ticket resolution time estimation model capable of *achieving a RMSE of 60 minutes* by a deep study of the company procedures and using **ML regressors**.

Education

PoliMI & **KTH** & **EIT Digital**, *Double Degree*, MS in Computer Science & Engineering   Oct 2019 – Jul 2021
- **Coursework:** Computer Security, Data-Intensive Computing, Data Bases 2, Recommender Systems

Tallin Institute of Technology, *Summer School*, Innovation & Enterpreneurship   Aug 2020
- **Topic:** Secure e-Governance

Politecnico di Milano, BS in Computer Science & Engineering   Oct 2016 – Jul 2019
- **Coursework:** Algorithms and Principle of Informatics, Software Engineering, Data Bases

Publications

Trouble Tickets resolution time estimation: 2021
The Design of a Solution for a Real Case Scenario
Riccardo Colella
urn:nbn:se:kth:diva-306049

Other

Projects: for a list of projects I have worked on, please visit riccardocolella.it

Programming Languages: Python, Java, C, JavaScript, Go

Technologies: Kubernetes, Docker, Elasticsearch, Azure, Prometheus, Grafana

Languages: Italian (C2), English (C2), German (B2)