Lorenzo Rottigni

Full-Stack Web Developer

I'm a young programmer specialized in platforms and web services developments.

I like to work in a dynamic environment in which to share experiences, in order to grow both, personally and professionally.

MY WORK

I have a practical and theoretical knowledge of web structure and its functioning.

During my path I worked both on the applicative and infrastructural level, developing different projects with a variety of technology stacks.

FRONT-END

Every day, I engage in the development of frontend applications and backoffice interfaces using **HTML**, **CSS**, and **JavaScript**. I prefer the ecosystem of **VueJS** and **NuxtJS**, which I integrate into my projects to ensure dynamic and efficient solutions.

BACK-END

In the realm of backend development, I specialize primarily in using **Python** and **NodeJS**, leveraging their key frameworks and **ORM**s, including **ExpressJS**, **NestJS**, **Flask**, **SQLAlchemy**, **Celery**, **Prisma**, **TypeOrm**, and others. This array of tools allows me to create robust and high-performance backend solutions, adaptable to various project requirements.

DEV-OPS

With practical experience in DevOps management, I have worked with cloud hosting services such as **GCP** and **AWS.** I have been involved in the implementation and management of Kubernetes in various configurations, including the **bare-metal** version with **kubeadm**, local usage with **minikube**, and the adoption of managed services like **GKE**, **Cloud Run**, EKS, and **App Runner.** I use **Gitlab** on a daily basis to optimize the continuous integration and continuous deployment (**CI/CD**) workflow. I have instantiated, configured, and maintained several virtual servers both in private and corporate settings, utilizing various types of cloud services.

NETWORKING

I had to deal with the majority of **TCP/IP** protocols such as **HTTP(S)**, **SSH**, **(S)FTP**, **SMTP**, **IMAP**, **POP3**, **TELNET**, and more.

I have a strong understanding of the current structure of the Internet and proficiency in designing scalable networks, utilizing tools such as **Cisco PacketTracer.**

SOME OF MY TOOLS

MY WORK EXPERIENCE

DEESUP (02/2022 - Today)

I work full-time in Milan as Full-Stack Web Developer at Deesup.

I have taken on the responsibility of being the main contributor of the front-end part of the e-commerce platform https://www.deesup.com/.

I carry out front-end, back-end and DevOps tasks throughout the company's infrastructure on a daily basis, including:

- Front-end development using **NuxtJS** & **ExpressJS** frameworks and the **Typescript** language.

- Back-end development with **Vendure.io**, a framework witch extends **NestJS** to expose some **GraphQL API**, oriented towards e-commerce.

- Create, maintain, and operate **CI/CD** on **Google Cloud** using services such as **Cloud Run**, **Compute Engine**, **SQL DB**, and **Cloud Storage.**

- Migration of all services from GC to AWS, maintenance, and **CI/CD** operations on **AWS** using services such as **App Runner**, **EC2**, **EKS**, **ECR**, and **AWS Bucket.**

- Development of customisable **AngularJS** CMS exposed by **Vendure.**

- Development of a **RaaS** platform, a dedicated service for various Design brands.

- GraphQL APIs infrastructure development using **Apollo.**

- External CMS/CRM integration such as **Hubpot**, **Strapi**, and **Mailchimp.**

- Tracking services development, such as **Google Analytics 3-4** and **Pixel Facebook.**

- Development of proprietary cache services using the **Fastify** framework integrated with **Redis.**

- Development of integrations for various payment providers including **PayPal**, **Braintree**, **Stripe**, **Scalapay.**

- I have developed and published an **open-source** plugin that integrates Scalapay within the Vendure framework (**vendure-scalapay**).

EDUCATION

IT Graduation

ITIS Einstein - Vimercate(MB)

CISCO

- Stage at Cisco (10/2018 - 06/2019)
- Cisco IT Essentials Certification (05/2019)
- Cisco CCNA Certication (06/2020)

BOOLEAN ACADEMY (08/2021 - 02/2022)

700+ hours intensive programming course whose purpose is to train Full-Stack web developers through daily and professionalizing theoretical and practical lessons.

DATA SCIENCE BOOTCAMP (04/2023 - 06/2023)

Course of **Machine Learning** and **Deep Learning** in English language, lasting approximately 30 hours, which allowed me to integrate **Data Science** into my work and deepen my knowledge of analytical mathematics, a subject that has always fascinated me.

The course is developed in Python language and covers the following libraries: **NumPy**, **Pandas**, **Seaborn**, **Matplotlib**, **Plotly**, **Scikit-Learn**, **Tensorflow**, and **Spark**.

NLP UDEMY COURSE (07/23 - 09/23)

Course of **Natural Language Processing** in English language, equipping me with expertise in Python-based NLP techniques. This comprehensive program covered a range of topics, including text and PDF file manipulation, regular expressions, Part-of-Speech tagging, named entity recognition, and advanced sentiment analysis using neural networks.

The course is developed in Python language and covers the following libraries: **NumPy**, **Pandas**, **Spacy**, **Scikit-learn**, **NLTK**, and **Keras**.

KUBERNETES COURSE (10/23 - 11/23)

Completed a Kubernetes course led by Docker Captain Bret Fisher.

The comprehensive course covered advanced topics such as healthchecks, app configuration, YAML manifests, and infrastructure-as-code deployment methods, complementing my proficiency in Docker.

I ♡ DOCKER

Docker is more than a tool for me; it's a passion. Every facet of my work thrives within Docker's containerized environment. With a profound understanding of its intricacies, I leverage Docker to streamline development, enhance portability, and ensure seamless deployment.

As a staunch advocate of Container as a Service (**CaaS**), I recognize transformative power it holds in modern development pipelines.

ROTTIGNI.TECH

As a proficient web developer, I am at the helm of a bare-metal Kubernetes cluster spanning multiple nodes, overseeing the management of the web ecosystem at **rottigni.tech**. I acquired the wildcard for the rottigni.tech domain, where I've registered a suite of services meticulously crafted by me:

- **www.rottigni.tech**: A comprehensive landing page website, strategically designed to serve as a gateway to various services, enhancing accessibility and **SEO** optimization.
- **cv.rottigni.tech**: Website containing my CV in A4 format designed to be exported as a PDF file.
- **portfolio.rottigni.tech**: A showcase of my portfolio, exemplifying one of my proudest accomplishments. Explore to witness a diverse range of projects.
- **storage.rottigni.tech**: A high-speed **static content provider**, integral to the rottigni.tech ecosystem for optimized content delivery.
- **smtp.rottigni.tech**: The dedicated rottigni.tech **SMTP** server, facilitating seamless email communication within the ecosystem.
- **sentry.rottigni.tech**: Leveraging **Grafana** and **Prometheus**, this service ensures real-time monitoring of servers and services through **node-exporter** and **blackbox-exporter**.
- **jupyterhub.rottigni.tech**: A fully dockerized (**docker-swarm**) **Jupyterhub** instance, harmoniously integrated with a **GitLab** repository for persistent data storage. This allows for the availability of notebooks via my portfolio website, synchronized daily through an automated cronjob (dynamic seeder).
- **registry.rottigni.tech**: The private image registry of my Kubernetes cluster facilitates the distribution of Docker images across the entire rottigni.tech infrastructure.
- **ui.registry.rottigni.tech**: A simple user interface to manage registry.rottigni.tech.
- **k8s.rottigni.tech**: The official Kubernetes dashboard streamlines the management of my cluster with ease.

OPEN-SOURCE

I hold a deep appreciation for the open-source ethos, valuing its collaborative spirit and commitment to shared knowledge. While I haven't contributed directly to major projects, I've created open-source plugins for existing software, like the vendure-scalapay npm plugin. Moreover, I actively engage in discussions to troubleshoot and find solutions in collaboration with open-source creators.

CONTACTS

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INFO

- Born in Monza (MB) on 12/24/2000
- Resident in Burago di Molgora (MB)
- Marital status unmarried
- A-B driving licenses
- Spoken languages: 🇮🇹 - 🏴󠁧󠁢󠁥󠁮󠁧󠁿

🕐 Last update on 18-01-2024

LR Labs