
Emanuele Levorin

Senior Software Engineer delivering simple, reliable software that's easy to understand, deploy, and maintain.

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Linkedin
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Experience

Senior Software Engineer *Independent contractor, Padua, Italy; 2023-present*

Collaborate as an independent contractor with multiple clients across Europe and the US on *cloud* infrastructure, *platform* engineering, *SRE*, and observability, designing scalable systems and leading technical initiatives. Key engagements:

- Euronext Clearing (euronext.com) Led the observability strategy for *OpenShift* CoreOS on IBM Power, improving monitoring, visibility, and reliability of core systems and workflows.
- Omi (omi.so) Served as *Site Reliability Engineer*, owning the design and operations of a *machine learning* 3D *cloud-native* platform.

Senior Software Engineer *Red Hat Inc., Padua, Italy; 2021-2023*

Part of the engineering team building Red Hat's new Content Delivery Network Project Exodus with *Go*, *Python*, *Docker*, *Kubernetes* and *AWS*; improving reliability, performance, and scalability across RHEL build and distribution systems.

Contributed to building and optimizing *CI/CD* pipelines and *PaaS* solutions supporting large-scale production environments, implementing *service level indicators*, RPO/RT0, security controls, and other critical enterprise requirements.

Provided early evaluation and feedback on Red Hat Automotive toolchain initiatives and integrated observability using *Splunk*, *Prometheus*, and *Grafana*.

Software Engineer *Independent contractor, Padua, Italy; 2017-2021*

Collaborate as an independent contractor with multiple clients across Europe and the US on *cloud* infrastructure, *platform* engineering, *SRE*, and observability, designing scalable systems and leading technical initiatives. Key engagements:

- Carpe Data (carpe.io) Modernized *Jenkins* CI/CD pipelines for multi-AZ, multi-region deployments and enhanced *Scala* Spark testing. Led *AWS* SSO and Organization setup with *Google* IDP, SCPs, permission sets, VPC Sharing, and improved observability with *ELK* and *Datadog*.
- Perceptyx (perceptyx.com) Engineered *CI/CD* pipelines with *GitLab*, *Terraform*, Test Kitchen, and *SaltStack*; acted as *SRE* for hybrid *Kubernetes* infrastructure across 4 data centers and *AWS*. Implemented observability platforms, production ML pipelines, and automated *MySQL* point-in-time recovery while onboarding a new availability zone.
- SwoopTalent (acquired by SAP, sap.com) Led administration and security of Big Data infrastructure on *GCP*; designed *ETL* pipelines, Cloud Functions, and automated operations. Served as IT Security lead and Head of *Kubernetes* implementation, overseeing policies, monitoring platforms, and driving adoption.
- Green Rocket Security (greenrocketsecurity.com) Provided infrastructure and security support for enterprises, law enforcement, and defense organizations, deploying MFA and managing PKI/certificates with *Python*. Secured and integrated enterprise networking solutions across firewalls, VPNs, NAT, and multiple platforms.
- Device42 (device42.com) Delivered infrastructure and DCIM support for enterprises, developing automation tooling with *Python* and Bash. Integrated multiple hypervisors, ensured reliable operation and systems support.

Senior Information Technology Analyst *CompNet, Sydney, Australia; 2015-2016*

Conducted analysis, process development, infrastructure migrations for small and medium enterprises; provided on-site technical consultancy and coordinated third-party vendors. Led a database schema migration to connect third-party systems with the Australian Government DSS Data Exchange.

Information Technology Analyst *Friso Computer SRL, Padua, Italy; 2008-2014*

Delivered on-site technical consultancy for small and medium-sized businesses and state-owned enterprises. Managed VMware hypervisors and administered Linux and Windows infrastructure domains.

Technical experience

2018-Present : **AWS, GCP, Azure, Kubernetes** Delivered 14+ production applications across multiple cloud platforms.

2017-Present : **MySQL, PostgreSQL, MariaDB, Redis** Delivered 6+ production applications using relational and in-memory data stores.

2021-Present : **Go, Java Quarkus** Delivered 4+ high-performance production applications, primarily in Go.

2017-Present : **Python, Perl, Bash** Developed extensive automation and integration tooling for production workflows.

Solid knowledge of **Cilium eBPF, Istio, OPA, Kyverno, Karpenter, Argo, CI/CD, Terraform, Terragrunt, Ansible, SaltStack, Prometheus, Grafana, and OpenTelemetry**. Consistently applied these tools across both small and large-scale production environments.

Miscellaneous knowledge of **Ruby, Typescript, SQLite, C, and x86 Assembly**, used in prior work engagements and open-source contributions.

Education

2023-2023 : **AWS Certified Solutions Architect – Professional** *Amazon Web Services (AWS)*

2019-2019 : **Certified Kubernetes Administrator (CKA)** *Cloud Native Computing Foundation (CNCF)*

2012-2012 : **General English C1** *British Council*

2006-2011 : **Electrical Engineering & Automation** *Guglielmo Marconi, Padua, Italy*

Languages : Italian (native), English (fluent C1)

Hobbies

- Via Ferrata
- Hiking
- Gardening
- Contributing to open-source projects