

# Florian Vessaz

Ingénieur informaticien  
diplômé EPF

florv.ch

Curious, passionate, conscientious, versatile, computer science and IT professional.

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## Education

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| 2015 - 2017 | Master of Science in Computer Science<br><i>École Polytechnique Fédérale de Lausanne, Switzerland (EPFL)</i>   |
| 2010 - 2015 | Bachelor of Science in Computer Science<br><i>École Polytechnique Fédérale de Lausanne, Switzerland (EPFL)</i> |

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## Languages

French	Native speaker
English	Fluent
German	High-school level

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## Skills

C/C++, CSS, HTML, Java, JavaScript, Perl, Python, Rust, Scala, Shell script, SQL, TypeScript.

Functional programming, object-oriented programming, high-level and system-level programming.

Git, GNU/Linux system administration, computer networks, relational databases, containers, Kubernetes, Linkerd, Prometheus, Loki, Grafana, GitLab, GitLab CI, Argo CD.

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## Projects and experiences

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| 2017-2025 | <p>Worked as a full-stack software engineer at Bity SA.</p> <p>Designed, developed and maintained the backend IT system currently in use at Bity SA. Led the transition from existing prototypes and experiments to a robust, components based system. Main technologies used: Rust, Python, PostgreSQL.</p> <p>Maintained web applications based on open source technologies (mainly TypeScript and React).</p> <p>Used BPMN to support both technical and business users to understand the system and identify requirements.</p> <p>Designed and documented APIs using the OpenAPI Specifications standard.</p> <p>Used infrastructure as code principles for configuration, provisioning and delivery (Terraform, Ansible, Argo CD, Kubernetes.)</p> <p>Used GitLab for project management, issue tracking, version control and continuous integration.</p> <p>Used Grafana, Prometheus and Loki, for monitoring, alerting and log management.</p> |
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- 2016-2017 Built a simulator for evaluating and analyzing causally consistent geo-replicated data stores (Master's project).
- 2016 6 months internship at CERN in the development team of Indico, a conference and meeting management tool (new development, bug fixes, modernize legacy code).
- 2013 - 2017 Assistant at the IT Service Desk of EPFL which applies ITIL principles.
- 2013 - 2016 Upgraded and maintained IT infrastructure of the GNU Generation student association (Debian, Xen, web hosting, web services, BIND, Exim, LDAP, network boot, OpenVPN).
- 2013, 2014 Assistant for the course "System-oriented programming" (Shell, Perl, C) for computer science students (answer student questions, grading)
- 2012 Assistant for the course "Introduction to programming" (Java) for computer science students (answer student questions, grading).
- 2012 Assistant for the course "Computer programming" (C) for micro-engineering students (explain theoretical concepts, answer student questions, grading).
- 2012 - 2024 Help manage the IT system for the primary school of Delley-Portablan-Gletterens.
- since 2012 Self-hosting of DNS, e-mail, web, and other services.
- since 2005 Usage of GNU/Linux as main operating system on my computers and servers. Growing interests in IT and computer science.