



△ Chemin de la Mellette 2  
CH-1081 Montpreveyres  
☎ +41 77 405 21 90  
Swiss nationality, 47 y.o.  
Available now, driving license

🌐 <https://www.linkedin.com/in/gabrielklein>  
@ [gabriel.klein@nuage.ch](mailto:gabriel.klein@nuage.ch)

More details on <https://cv.nuage.ch>

## Work Experience

<b>Léman Micro Devices SA</b>	<b>Vice President of Software &amp; Architecture</b>	2013.07 – 2023.01	<b>10 years</b>
Led and directed a multifaceted software / IT/IS program, team management, led processes, architectural design, system administration, cloud, algorithm implementation, cybersecurity, data protection, support IT/IS part of our QMS. We have raised about 25 millions, B2B and B2B2C. Reporting to the CEO.			
<i>Experience:</i> team management, project and product management, strategy with board / CEO / team, scrum & agility, IEC 62304, ISO 13485, continuous integration, AWS / OVH / alibaba & multi-cloud, global architecture, android, java, JEE, python, machine learning, signal processing and bluetooth, mysql, ubuntu server, ETL, git, RedMine, API definition, technical communication and discussion of integration with customers (white label – 2 of the top 5 phone manufacturers), architecture of the digital side of our manufacturing process.			
<b>Sword Consulting</b>	<b>Senior developer / consultant</b>	2012.09 – 2013.03	7 months
<b>SDATAWAY</b>	<b>Software Engineer and Project Manager</b>	2011.10 – 2012.04	7 months
Connect coffee, milk and vending machines to a cloud solution, display statistics, strategy to restock these machines. C2B and B2B. Communication with a multinational in Vevey.			
<i>Experience:</i> HTML5, javascript, JEE, mysql, AWS, ETL, C, embedded linux.			
<b>ElanIt / IMD</b>	<b>Mobile Architect and Developer</b>	2011.09 – 2011.10	2 months
<b>Poken</b>	<b>CSA, Chief Software Architect</b>	2008.06 – 2011.08	<b>3 years</b>
Led a team in Switzerland and Romania to develop and implement a product mixing hardware and software, architecture and managing infrastructure on AWS, conducting technical relations. We have raised about 10 millions, our product was on the market, B2B and B2C. Reporting to the CEO.			
<i>Experience:</i> Team Management, due diligence, AWS, JEE, jsf, nfc, mysql, html, javascript, android, java, API.			
<b>AdsClick</b>	<b>Software Architect and Engineer</b>	2004.12 – 2008.05	<b>3.5 years</b>
Architecture and implementation of our high-performance ad-server, including communication protocols, structures, and fraud detection engine. We have raised about 10 millions, our product was on the market, B2B and B2C. Reporting to the CTO.			
<i>Experience:</i> Solution architect, MySQL, Java, PHP, Tomcat, ETL, cybersecurity / fraud detection, linux (redhat), system administration, technical communication and alignment with orange in France.			
<b>Epsic</b>	<b>Teacher computer systems</b>	2004.06 – 2008.06	4 years, 20%
<b>IMD</b>	<b>Java developer, social networks researcher</b>	2004.03 – 2004.11	8 months
<b>Sunrise, Zurich</b>	<b>Java developer, data processing</b>	2003.03 – 2003.09	7 months

## Training & Education

TOGAF	Enterprise Architecture Foundation	August 2023
Scrum	Professional Scrum Product Owner	July 2012
	Professional Scrum Master	June 2023
<b>Executive MBA EPFL – Management, Technology &amp; Entrepreneurship</b>		December 2013
Joint program between EPFL, HEC UNIL targeting entrepreneurship, innovation and management of technology.		
<b>Engineer in communication systems EPFL - Master of Science Msc</b>		October 2004
Master Program in Mathematics, Statistics, Physics, Computer Science and Electrical Engineering.		

## Languages & Interests

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**French:** Native Proficiency, **English:** Full Professional Proficiency, **German:** Limited Working Proficiency

**Art & Sport** Trumpet player (Brass band "Fanfare du Jorat"), Swimming, Biking and Skiing (Casual)

**Associations** President of the General Council of my Municipality (2016 - 2019), EPFL Alumni, EMBA Alumni.

**IS / IT / IoT** Home automation (IoT), Raspberry, Arduino, Espressif, 3D printing, Machine Learning.

## Skills

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**Startups Enterprise Architecture** : Building and maintaining a sustainable technical environment in a fast evolving scope. Aligned our development standards with IEC 62304 and ISO 13485.

**Management and leadership** : Developing efficient teams and positive working environments. I focus on creating a comfortable, secure and happy working environment using tools such as agility, Scrum, and communication.

**Strategy and innovation** : Facilitating communication between developers and other team's members, and develop company's strategies that focus on modern IT/IS capabilities and limitations.

### *Leadership & Management ( 13 years )*

Manager of a multicultural distributed team ( ~10 people), certified scrum master & product owner, team & human interactions, change management, technical leadership, lead and set IT/IS/Software process.

### *Architecture & Norms (17 years )*

Togaf, enterprise architecture, design patterns, IEC 62304, ISO 13485, UML, transform strategy into actions, open source.

### *Business & Strategy (10 years )*

Business model, software strategy, startups, scaleup, innovation management (patents).

### *Project Management (10 years )*

Task management, scrum master (PSM I), scrum product owner (PSPO I), set priorities, lead defining release, distribute information, prince 2, ticket management (Redmine, Jira).

### *Software Development*

Servers ( 17 years ): J2EE, glassfish, payara, EJB, Jersey, PHP.

Web ( 18 years ): HTML 5, javascript, CSS, jQuery, OAuth2, Soap, rest, soap & XML API.

Mobile ( 12 years ): Android, NFC, bluetooth.

Databases ( 18 years ): MySQL, MongoDB.

Applications ( 20 years ): Senior java developer, python, bash, C.

Embedded Systems (11 years ): internet of things, embedded linux, Arduino, Espressif (ESP8266, ESP32)

Algorithms (15 years ): Feature extraction, filters, real time data processing, data mining, machine learning.

### *System Administration, DevOps ( 17 years )*

Linux – Ubuntu and Debian.

Clouds AWS (Amazon Web Services), exoscale, EC2, cloudFront, S3, SNS, SES.

Infomaniak, GoDaddy, OVH, SoYouStart.

Microsoft 365, Dropbox, Google Apps.

CDN (akamai, cloudfront), SSL, HTTPS, DNS.

Apache 2, nextcloud, docker.

Jenkins, Hudson - continuous integration.

Router, computers, network.

### *Art & Manufacturing*

Music – Skilled non-professional trumpet player. ( 35 years )

Events - 3D tracking, ASCII video art, 3D conception and reconstruction, 3D printing, laser cutting.

## More detailed information

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Detailed professional experience, work certificates, diploma, recommendation letters, portfolio, can be downloaded from my web site or provided on demand. <https://cv.nuage.ch> or [gabriel.klein@nuage.ch](mailto:gabriel.klein@nuage.ch)