



PROFESSIONAL PROFILE

Experienced professional with over 30 years in research and development. Expert in embedded systems (software & hardware), with specialization in failure analysis, system architecture, Bluetooth Low Energy, and product design. Versatile and creative, I manage the entire development cycle — from hardware and software design to mechanical integration and rapid prototyping. This cross-disciplinary perspective enables me to bridge the gap between various technical fields, optimize processes, and ensure overall project coherence.

Stéphane Berginz

08.07.1971

CH- 2112 Môtiers

+41 (0)79 709 45 81

s.berginz@gmx.net

Languages



Key Skills

Creativity and Versatility:
End-to-end development of embedded systems, including electronics, software, mechanics, 3D CAD, testing, and quality assurance.

Analytical Expertise:
Over 30 years of experience in troubleshooting and failure analysis in R&D environments.

Project Planning & Management:
Managing complex R&D and production projects from concept to delivery.

Adaptability: Strong ability to adapt to various situations and work collaboratively with multidisciplinary teams to move projects forward.

User-Centered Design: Deep understanding of user needs and behavior to optimize ergonomics and usability in product design.

PROFESSIONAL EXPERIENCES

Technical coordinator and product designer, UDIMU SA - Overall technical coordination and Project management. - Interactive kiosk design, 3D CAD, electronic, mechanic, software, project planning, subcontractor management.	June 2021 - May 2025
Company Owner, 23èmejour digital, Môtiers - Electronic, software, digital, mechanical projects. - CAD 3D Design (Fusion 360), Projects management & consulting. - Digital Signage, BrightSign expertise & consulting.	November 2018 - present (30-100%)
System Architect B2B, Polar Fleurier - Definition & piloting, new technologies for B2B - Definition & piloting, Bluetooth Low Energy, NFC projects.	April 2014 - Octobre 2018
Bluetooth Low Energy expert Apple Campus, Cupertino, California	April 2013
Senior Communication System Architect, Polar Fleurier - Projects piloting for Bluetooth Low Energy, SIG Qualification - Interoperability test (IOP) - Projects piloting for NFC.	Octobre 2010 - March 2014
Interoperability expert, Bluetooth Low Energy Vancouver (Canada)	January 2012
Senior Designer, Advanced Research, Polar, Fleurier Polar research algorithm implementation & test.	October 2007 - September 2010
Team Leader, Embedded Software, Polar, Fleurier - Embedded software Team Leader - Embedded software Specification, implementation and test. - R&D recruitment	May 2003 – September 2007
Senior software Designer, R&D, Polar, Fleurier Embedded software Specification, implementation and test.	August 2001 - April 2003
Quality Responsible (ISO norms) Polar Electro Oy, Fleurier	July 2001 - September 2005
Hardware & Software Designer, R&D Polar, Fleurier - Embedded software Specification, implementation and test. - Electronic design, conception and test.	January 1997 - July 2001
Production lines tests expert. Penang (Malaysia), Hong Kong & Shenzhen	October 2000
R&D Designer, Pulzer Electronic, Fleurier Power resistors development and test	April 1996 - Decembre 1996
Aftersales Technician, Pioneer (SACOM), Bienne Aftersales services for Hifi and CD players	December 1991 - June 1992

• EDUCATION

"Technicien ET / ES" Microelectronic CPLN, Neuchâtel	<i>1994 - 1995</i>
"Technicien ET / ES" computer science, opt. electronic CPLN, Neuchâtel	<i>1992 - 1994</i>
"CFC" electronic Technical school, Couvet	<i>1987 - 1991</i>

• SOFTWARE & TECHNICAL TOOLS

Languages & firmware: C, Embedded C, BLE Stack, Firmware

3D CAD Design: Fusion 360, Shapr3D

Electronic: Design, measurement & testing (oscilloscope, multimeter, etc.)

Gestion de projet : Monday.com, Agile/Scrum

Digital signage: BrightSign, BrightAuthor.Connected, HTML5, CSS, JavaScript

Graphic Design: Advanced Photoshop Skills

Office Tools: Word, Excel (daily use)

Workshop: mechanical design, machine tools operations

• REFERENCES

Niclas Granqvist, Senior Technical Leader | Industry Standards, Logitech
+41 (0)79 814 91 61

Sami Karvonen, Director, R&D Switzerland, Polar Electro
+41 (0)79 757 64 53

Martin Wittwer, Innovation Management Engineer / Coordinator, UDIMU SA
+41 (0)78 691 23 30

Daniel Potuznik, Immersive 3D Expert, Audemars Piguet
+41 (0)79 310 75 27