

Georg Lichtenberg

Biomedical Engineer & Healthcare IT Expert

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Born: April 24, 1965

Professional Summary

Experienced entrepreneur and technology leader with 20+ years in Healthcare IT, Life Sciences, and Medical Technology. Specialized in system architecture, data analytics, and regulatory compliance. Business Angel with focus on early-stage Med Tech startups.

Core Competencies

Programming	Java · R · Python · SQL Analytics · C++ · C
Healthcare IT	HL7 · DICOM · FHIR · xDT · Laboratory Information Systems
Technologies	Microservices · Middleware · Interoperability · Data Science
Domains	Life Sciences · Medical Technology · Point-of-Care Diagnostics
Management	R&D Leadership · Technical Strategy · Startup Consulting
Emerging Tech	Drone Management Systems · Autonomous Flight Control · IoT Integration

Professional Experience

Feb 2022–Present **Business Angel & Consultant, Delivery Glider AG (jedsy), Berneck, Switzerland**

jedsy develops autonomous delivery drones for laboratory sample transport

- Business Angel and strategic technology advisor
- Software architecture for drone management systems
- Flight control software development and optimization
- Autonomous navigation and logistics coordination
- Integration of IoT sensors and real-time telemetry

Jan 2022–Present **Founder & CEO, Cologne Lab IT GmbH, Köln, Germany**
Specialized consulting for Life Science, Med Tech, and Medical IT

- Business and technology consulting for healthcare organizations
- Custom software development for medical applications
- Healthcare IT system integration and compliance
- Data analytics solutions for clinical and research data
- CTO-as-a-Service for Med Tech startups

Jan 2022–Present **Founder & CEO, Cologne Venture GmbH, Köln, Germany**
Early-stage investment company focused on Life Science and Med Tech

- Investment strategy and due diligence
- Technical evaluation of Med Tech innovations
- Portfolio company mentoring and strategic guidance
- Market analysis for emerging healthcare technologies

July 1998–Dec 2021 **Founder & Software Architect**, *ixmid Software Technologie GmbH*, Köln, Germany

Leading provider of IT solutions for laboratory-hospital communication

- Founded and led company to market leadership position
- Developed ixserv. and ix.connect platform products
- Architected solutions for inpatient and outpatient data management
- Implemented HL7, DICOM, and xDT standards compliance
- Managed technical teams and R&D operations
- Established partnerships with major healthcare providers

Education

1985–1989 **Diploma in Biomedical Engineering**, *Technische Hochschule Mittelhessen*, Gießen, Germany

Technical Expertise

Programming Languages

Expert Java · SQL · C++

Proficient R · Python · C

Analytics Statistical Computing · Data Mining · Machine Learning

Healthcare Standards & Protocols

Integration HL7 v2/v3 · FHIR R4 · DICOM · xDT (LDT/GDT/BDT)

Systems Laboratory Information Systems · Hospital Information Systems

Compliance Medical Device Regulation · Data Privacy (GDPR)

Emerging Technologies

Drone Systems Flight Management Software · Autonomous Navigation

IoT & Sensors Real-time Telemetry · Environmental Monitoring

AI/ML Predictive Analytics · Computer Vision for Medical Imaging

Languages

German Native

Mother tongue

English Fluent

Professional working proficiency

Additional Interests

Music Saxophone player

Sports Skiing · Surfing

Technology Open Source Software · Hardware Prototyping