

I BRING TECH TO LIFE

ARTUR MARKUS

SENIOR DIGITAL
BUSINESS
CONSULTANT



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arturmarkus

SENIOR DIGITAL BUSINESS CONSULTANT

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EDUCATION

2007 - 2009

NATURAL SCIENCE AND
TECHNICAL ACADEMY ISNY

- State certified
biotechnological Assistant

2005 - 2007

COMMERCIAL SCHOOL
WANGEN

- Intermediate Level

TAGS

- Business Consulting
- Tech Innovation
- Digital Transformation
- Subject Matter Expert
- Validation Lead
- Life Science IT
- IT Compliance
- Automation & Robotics
- Cloud and Scalability
- MES / LIMS / DMS
- Software Product
Development

I BRING TECH TO LIFE

I am Artur Markus, an experienced Business Consultant in the life sciences and IT sectors. I specialize in leading automation projects and developing compliant software solutions with a strong focus on data integrity. My work has supported significant digital transformations and enhanced operational efficiencies at global institutions. I am adept with a variety of technical tools and programming languages, ready to drive impactful results in innovative environments.

WORK EXPERIENCE

- **QuantumCode Group** 2023 - 2024
Business Consultant / Partner
 - Designing the software and business architecture for a SaaS company.
- **Alpine Blockchain Consultants** 2022 - 2023
Head of Development
 - Tech head skilled in leading software development projects in blockchain environments.
- **NNIT Switzerland AG, Basel CH** 2021 - 2023
Senior Business Consultant
 - IT compliance consulting in Life Science, ensuring systems met FDA 21 CFR Part 11 and EU Annex 11 standards with a focus on Data Integrity throughout the software lifecycle.
- **Pharmatronic AG, Pratteln CH** 2020 - 2021
Senior Business Consultant
 - Delivered CSV consulting, ensuring compliance with GxP regulations during system validation.
- **Xavo Systems AG, Reinach CH** 2018 - 2019
Business Consultant
 - Communication interface to contact person of our customers. Interface between business and software development.

WORK EXPERIENCE

GENERAL

- Full Stack Software Development
- Pilot Projects & MVP Development
- AI & Machine Learning Integration
- SW / HW Integration
- Digital Transformation Consulting
- Cybersecurity & Compliance
- Business Process Automation
- Blockchain & Smart Contracts
- Cloud Architecture & DevOps Solutions

LAB SPECIFIC

- Lab Robotics & Scientific Equipment
- Data Integrity & Compliance
- Merge Tech with Life Science
- Validation & Qualification
- Quality Software Assurance
- GAMP / EUDRALEX / FDA
- Lab Digitalization & Smart Labs
- Lab Robotics Integration for HTS
- Programming of Lab Robotics

SOFTSKILLS

- Innovation Driven
- C-Level Ready
- Digital native

- **Univerity Hospital Zürich, Zürich CH** 2017 - 2018
Automation Engineer
 - Launch of the Molecular Tumor Profiling Laboratory (Next Generation Sequencing) owned by UniversityHospital Zürich.
- **Univerity Hospital Zürich, Zürich CH** 2017 - 2017
Business Consultant
 - Decide on automation solutions. Planning for the upcoming commissioning of new Next Generation Sequencing Laboratory (Personalised Medicine - Molecular Tumor Profiling).
- **Celerion Switzerland AG, Fehraltorf CH** 2015 - 2017
Senior Instrument Responsible Liquid Handling
 - Oversee and enhance automated systems for RIA, ELISA, LCMS, and other workflows in GxP.
 - Head computer system validation projects in the Automation Engineering team.
- **Celerion Switzerland AG, Fehraltorf CH** 2013- 2015
Instrument Responsible Liquid Handling
 - Manage existing and implement new automated platforms that support RIA, ELISA, LCMS and automated workflows. Plan and perform Computerized System validation focusing on Data Integrity in GxP-regulated environments.
- **Celerion Switzerland AG, Fehraltorf CH** 2011- 2013
Senior Analyst
 - Perform PK analyses independently
 - Interpret PK results and findings independently
 - Perform QC reviews as assigned
- **Celerion Switzerland AG, Fehraltorf CH** 2010- 2011
Analyst
 - Perform analytical analysis of samples using chromatography (LC-MS/MS and HPLC) or ligand-binding techniques (ELISA, RIA, EIA and PCR)

WHY I DO WHAT I DO



My career is driven by one simple, powerful idea: technology can profoundly improve our lives and work. As an experienced Business Consultant, I thrive on creating innovative software solutions that solve real-world challenges. Every project is an opportunity to push the boundaries of what's possible, bridging the gap between complex tech and practical applications. Whether leading automation projects or developing compliant software, my goal is to make sophisticated technology accessible and beneficial to businesses and individuals alike. Let's partner to transform your visionary ideas into dynamic, successful realities.

TOOLS I USE

- JIRA / Azure Dev Ops
- Document Mgmt Software
- Quality Mgmt Software
- ERP / MES Systems
- Int. Dev. Environments
- AWS / AZURE / GCLLOUD
- Heroku / Vercel
- Docker / Kubernetes
- Windows Mgmt
- Linux Mgmt
- Postman
- Github
- APIs



SELECTED PROJECTS

- **Logistik Zentrum Entenbad, Lörrach, Germany:** Consulted on the qualification of storage, temperature monitoring and optimization.
- **Novartis International AG, Basel, Switzerland:** Advised on the qualification of cold storage and temperature monitoring reporting.
- **Glatt Pharmaceuticals AG, Binzen, Germany:** Conducted periodic reviews of all computerized systems and provided recommendations for digitalization and FDA Audit preparation.
- **Pfizer Manufacturing GmbH, Freiburg, Germany:** Consulted on the implementation of planned IT Systems.
- **Pfizer Research Center Inc, Groton, USA:** Managed a software development project on a Manufacturing Execution System (MES) as SME.
- **Abbvie Inc, Lake Forest, USA:** Managed a software development project on a MES as SME.
- **Abbvie Deutschland GmbH, Ludwigshafen, Germany:** Managed a software development project on a MES as SME.
- **Regeneron Inc, New York, USA:** Managed a software development project on a MES as SME.
- **Roche Diagnostics GmbH, Penzberg, Germany:** Assisted in the transfer of laboratory automation technology from Roche to University Hospital Zürich.
- **Foundation Medicine GmbH, Penzberg, Germany:** Facilitated the transfer of laboratory automation technology from Foundation Medicine to University Hospital Zürich.

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SELECTED PROJECTS

- **Takeda Pharmaceutical, Tokyo, Japan:** Oversaw the development and validation of a GxP-compliant project, maintaining Data Integrity throughout all phases.
- **Microsoft Corporation, Redmond, USA:** Contributed as a Subject Matter Expert (SME) to the creation of Microsoft's PowerPlatform GxP Guides, providing knowledge on cloud validation best practices.
- **IDT Biologika GmbH, Dessau / Rosslau, Germany:** Successfully led the GxP validation of a scientific instrument over a 6-month period.
- **Takeda Pharmaceutical, Tokyo, Japan:** As QA Lead, oversaw the development, delivery, and validation of a pilot project using Microsoft's GxP Power Platform.
- **Boehringer Ingelheim AG, Ingelheim, Germany:** Provided IT and compliance testing support for the validation of the Veeva Document Management System.
- **Solvias AG, Kaiseraugst, Switzerland:** Managed periodic reviews of computerized systems, ensuring Data Integrity and regulatory compliance across the company.
- **Novosupply AG, Allschwil, Switzerland:** Project-managed the validation of a Document Management System.
- **Abel Systems AG, Allschwil, Switzerland:** Provided consultancy services to analyze and improve the company's Quality Management System.

