



Stephan Heuel

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Summary

Experienced Engineering Manager with over 20 years in system design, data engineering, and team leadership. Successfully integrated modern technology across sustainability and finance, transportation, and environmental projects. Combines technical depth with broad system and domain understanding to effectively coordinate work between engineering, business, and product teams.

Work Experience

Executive Director and Office Head at MSCI, Zurich (March 2021 - Present)

Integration of a startup-team into the corporate environment and leading a team of over 20 software engineers across multiple locations, launch of multiple innovative climate risk and impact models for 10'000+ companies. Implementing agile practices for a cross-functional team of 70 researchers and engineers. Fostering 2x growth in the Zürich office across all disciplines.

Partner and Head of IT Consulting and other roles at EBP Switzerland, Zurich (Jan 2002 - Dec 2004, Jan 2007 - March 2021)

As partner and member of extended executive management, co-responsible for IT sector growth from 25 to 40 people. Founded new IT consulting division in 2019, serving key accounts including SBB, Migros and Swissgrid. Led geoinformation and data science team, focusing on transport sector projects and geospatial integration. Developed GIS infrastructure for SBB and MeteoSwiss and led numerous client projects in software architecture and business analysis.

Designed and implemented components and applications for national and international. Managed projects in software architecture, business analysis, and quality assurance. Developed software and data flows for first international flood risk maps on web for Germany, France and Luxembourg.

Assistant Professor for Mobile Mapping at ITC, University of Twente, Enschede (Jan 2005 - Dec 2006)

Conducted research in computer vision with image and radar sensors, advised doctoral students, and taught programming to master's students. Published papers on flood map extraction from aerial imagery.

Education

Ph.D. in Geomatics, University of Bonn

Germany

MSc in Computer Science, University of Bonn

Germany

Skills

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|-------------------------------------------|------------------------------------------------------------------------------------------|
| Data Engineering & AI | Python (Pandas, NumPy, Scikit-learn), ETL Processes, Machine Learning and Generative AI |
| Business Process Management | BPMN, UML, Process Mining, Low-code Platforms, Digital Transformation Strategies |
| Software Development | Python (Data Science Stack, Web Stack), Code Quality Assurance, Version Control (Git) |
| GIS & Geospatial Technologies | Open Source GIS (QGIS, PostGIS), ArcGIS Platform, Spatial Analysis, Web Mapping Services |
| Cloud Computing & Architecture | Cloud Architecture in Azure, AWS, GCP, Enterprise System integration |
| Leadership & Consulting | Cross-functional Collaboration, Agile Development, Strategic Consulting, Design Thinking |

Out of Office Activities

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| 2013 – 2022 | Co-founder and Organizer of the GeoBeer Network Switzerland , GeoBeer is a professional network of over 500 people interested in geography, GIS, cartography, and current technologies. With a newsletter, social media activities, and quarterly meetings, the exchange of ideas is promoted. Events take place throughout Switzerland and are sponsored by companies or organizations. | <i>Zurich</i> |
| 2016 – 2021 | Chairman of the Board of the Childcare Organization Verein FEE. , The Verein FEE in Meilen offers high-quality, family- and school-complementary care services for children from four months until the end of primary school. The services include daycare centers, student clubs, and the placement of day families. The association employs 140 staff members. | <i>Meilen</i> |