

PATRICK HIRSCHI

HEALTHCARE DATA ENTHUSIAST

I am highly motivated in further developing my skills in medical informatics especially in the aggregation, integration and preparation of clinical data for research, decision support or quality improving projects. Always keen to meet new people and to discover new technologies.



PROFESSIONAL EXPERIENCE

Team Lead Engineering DFL-IT

University Hospital of Zurich - 2020 - now

Architecture, development, maintenance and administration of the clinical data platform especially focused on the re-use of health-related data in the context of SPHN (Swiss Personalized Health Network) and internal research projects.

- ✓ Team Lead for five internal engineers and five virtual employees
- ✓ Member of the hospital-wide expert panel for clinical and research projects
- ✓ Responsibility and decision-making competence regarding methodology, technology and architecture of the data platform

Clinical/R&D Data Platform Specialist

University Hospital of Zurich - 2019 - 2020

Architecture, development, maintenance and administration of the platform and its underlying data lake, databases, and data marts as well as the data integration layer, especially the ETL processes from clinical and administrative source systems to the Research Datawarehouse and the subsequent encoded and encrypted transfer of health-related data to SPHN (Swiss Personalized Health Network) and internal researchers.

Application / Datawarehouse Developer

University Hospital of Zurich - 2016 - 2019

Maintenance, second-level support and coordination of third-level support for clinical data management applications, interfaces and solutions.

- ✓ Implementation of ETL processes from clinical and administrative source systems into the Clinical Datawarehouse
- ✓ Writing complex T-SQL queries, views, procedures, triggers and functions (MSSQL)

Healthcare Consultant

emineo AG - 2015 - 2016

- ✓ Project Management and Consulting
- ✓ Analysis of source systems and interfaces
- ✓ Technical implementation

EDUCATION

Nanodegrees in Data Analysis & Data Streaming

Udacity - 2019

Use of Python for programmatically questioning, wrangling, exploring, analyzing, and communicating data. Fundamentals of stream processing, including how to work with the Apache Kafka ecosystem, data schemas, ApacheAvro, Kafka Connect and REST proxy, KSQL, and Faust Stream Processing.

Bachelor of Science in Medical Informatics

Bern University of Applied Sciences 2012 - 2015

Informatics, Statistics, Programming, Mathematics, Medical Terminologies and Classifications, Hospital processes and patient pathways

CONTACT

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MY SKILLS

Healthcare Domain Expert

Microsoft Stack (MSSQL, SSIS, SSRS, .NET/C#)

Database Technologies (SQL Server, Oracle, PostgreSQL, MySQL)

Requirements Analysis

Data Analysis

Data Streaming/Integration

Reporting

Documentation

INTERESTS

Hiking

Basketball

Travelling

Technology

LANGUAGES

GERMAN - native language

ENGLISH - speaking, reading

FRENCH - speaking, reading