BENJAMIN GEER

Senior Software Developer

Over 12 years of back-end experience in Scala and Java



France

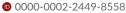
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J +33 7 82 49 32 02 benjamingeer



▼ 70 rue André Laurent, 94120 Fontenav-sous-Bois





EXPERIENCE

Senior Software Developer

Data and Service Center for the Humanities (DaSCH), **University of Basel**

- February 2014 ongoing
- Basel, Switzerland
- Lead developer of Knora (https://www.knora.org/), Switzerland's flagship system for storing, editing, searching, and linking humanities research data (over 130,000 lines of Scala and 18,000 lines of SPARQL).
- Lead developer of Gravsearch, Knora's innovative SPARQL-based query language compiler with type inference and optimisation (see Publications).
- Contributed to Sipi (https://sipi.io/), a IIIF-conformant image server written in C++.

Post-doctoral Research Fellow

Middle East Institute, National University of Singapore

August 2012 - June 2013

Singapore

Visiting Assistant Professor and Associate Director Middle East Studies Center, American University in Cairo

August 2011 - June 2012

Cairo, Egypt

Software Architect

Misys International Banking Systems (now Finastra)

- **August 2000 May 2005**
- London, UK
- Led a team of 6 to write Meridian (now Fusion Total Messaging), a Java middleware program used by banks worldwide to connect back-office applications with the SWIFT payments network.

Software Developer

Think New Ideas

1998 - 1999

New York, USA

• Developed a Java-based content management system, including the FreeMarker template engine (https://freemarker.apache.org).

SKILLS



LANGUAGES

Fluent: English French Arabic Intermediate: German Italian

EDUCATION

PhD in Middle East Studies SOAS, University of London

September 2008 - January 2012

M.A. in Middle East Studies SOAS, University of London

September 2007 – September 2008

B.A. in Arabic

Université de Provence. Aix-Marseille I

September 2005 - September 2006

M.A. in French

University of Florida

a January 1993 - August 1995

B.A. in Music

Hampshire College

September 1986 - January 1991

PUBLICATIONS

Articles

- Schweizer, Tobias and Benjamin Geer (2020). "Gravsearch: Transforming SPARQL to query humanities data". In: Semantic Web (in press). DOI: 10.3233/SW-200386.
- Rosenthaler, Lukas et al. (2017). "Simple Image Presentation Interface (SIPI): An IIIF-based Image Server". In: Archiving Conference, pp. 28-33. DOI: 10.2352/issn. 2168-3204.2017.1.0.28.

🕰 Talk

 Schweizer, Tobias and Benjamin Geer (2015). "Knora: A Generic Storage System and API for Accessing and Reusing Digital Qualitative Research Data in the Humanities". URL: https://bit.ly/38YnO0T.