

Narges HADJI-HOSSEINI

Senior Software Developer – Blockchain

- 15+ years of international work experience in financial industry (Frankfurt, London, Paris), French German diploma
- Lead developer including project management and business analysis
- **Technologies:** Blockchain, Ethereum, Solidity, Solana, Rust, C++, C#.NET, SQL, VBA/Excel, XML, R, Python, Java, Sybase, PHP, Perl, JS, C

Professional Experience

04/2021 – Present Freelance Work

Blockchain Developer

Worked and advised in different start-up projects in Web3 and blockchain in the areas of Tokenization of real-world assets, upcycling, NFTs and DeFi, Examples:

<https://ethglobal.com/showcase/uniswapexeguard-ehqur>

<https://ethglobal.com/showcase/nft-loans-06huz>

<https://ethglobal.com/showcase/herd-of-cows-7md7g>

<https://ormilabs.com>

<https://github.com/nargeslein>

Founder of the management program "Student of Life" and NFT certification (since 2023)

<https://studentoflife.de>

Courses and workshops in blockchain technology, Examples:

White papers and source code (Bitcoin, Ethereum, Solana, Polkadots, DeFi), Cyfrin Updraft Certification

Kernel IV fellow (09/2021 – 01/2022)

KERNEL is a program for technologists looking to build relationships, products and companies in Web3

<https://kernel.community/en/start/>

09/2009 – 03/2021 Moody's Investors Service, Frankfurt

Assistant Vice President – Senior Software Engineer (C#, SQL, .NET)

Rating Model Group charged with development of analytics, models and research globally for structured finance (RMBS, ABS, Covered Bonds)

Hired in 2009 as *Associate Analyst* within the Structured Finance Group. Through three promotions (2011, 2013, 2015) went on to *Assistant Vice President – Senior Software Engineer*

Global scoring model analysing portfolios of residential mortgage loans

(MILAN = Moody's Individual Loan Analyser) used in more than 40 countries (EMEA, Asia Pac and Americas – excluding US) and more than 600 users worldwide

Rating models for SME (Small and Medium Enterprise) loans

- Analysing large data sets of loan-level data
- Inclusion of new countries to the global MILAN framework (EMEA, Asia-Pac, Americas)
- Coordination and communication with different teams and stakeholders
- Mentoring and working with other team members around the world
- Establishing an automated monitoring process using European Data Warehouse files
- Project management and business analysis: Understanding and defining business requirements in coordination with users
- Test cases and coordinating release cycles

09/2007 – 09/2009 Natixis Corporate and Investment Banking, Paris

IT Consultant

IT department for the Asset Liability Management (ALM) team of the financial board

Software development integrating financial products into a financial risk and profitability analysis software package

- Implementation of specific data models and integration of rules for financial instruments flowing into ALM system (Java, Sybase, .NET, XML)
- Writing detailed functional specification documents as reference for stakeholders and project management

Business environment

Calculation of risk factors on all deals of the bank submitted by front-to-back systems (derivatives, spot products, structured finance)

04/2006 – 12/2006 Société Générale Corporate and Investment Banking, Paris

Intern/Final year project

Applications team for the trading room

Development of an inventory database of financial applications (front-to-back applications operating on financial markets)

- Technical and functional requirement specifications
- Design of technical architecture and database
- Development of a final project as web application (PHP, JS, Ajax, JQuery, MySQL)

Courses and Certificates

11/2017 – 11/2019 Online courses Coursera/Pluralsight

Data Science (R), Machine Learning (Python)

10/2014 – 03/2021 Moody's Investors Service, internal trainings

Management, Communication skills, Project management

Education

10/2001 – 04/2007 University of Karlsruhe (KIT), department of computer science

MScs in computer science («Diplom in Informatik»), grade: 1,3 (excellent)

02/2005 – 09/2006 INSA (Institut National Sciences Appliquées) de Lyon

French German double diploma programme

MScs in computer engineering «Diplôme d'Ingénieur», grade: excellent

06/2001 Elisabeth-Gymnasium, Mannheim

University entrance diploma "Abitur" (best in class), grade: 1.0 (excellent)

Internships

05/2005 – 08/2005 INRIA Loraine in Nancy

Design and Development of a decision procedure for a logic handling security specification of programs containing pointers (C, Lisp, Ocaml)

Languages

German Native or bilingual proficiency (C2)

French Full professional proficiency (C2)

English Full professional proficiency (C2)

Farsi Native or bilingual proficiency (C2)