Giacomo d'Antonio

Lead Software Engineer

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About me

Hi! I'm Giacomo. I am a lead software engineer in Bremen, Germany. I have 10+ years experience in full-stack development and 3+ years in Engineering Leadership. I am passionate about coding, leadership, and diversity. I'm dedicated to driving innovation, for example in the realm of AI and Machine Learning.

I am proficient in multiple programming languages and technologies and have a strong domain knowledge in PLM/CAx and Engineering.

Technologies

ASP.Net   C++   C#   CAD   CAE   CI/CD   Databases   Docker   FEM   Haskell
HOOPS Communicator   HOOPS Exchange   JavaScript   Linux   Machine Learning   .Net
Optimization   Python   React   Redux   Rust   Scrum   SQL   TDD   TypeScript
Vue.JS   WebAssembly

Experience

Synera GmbH — Lead Software Engineer

Jan 2020 to now

At Synera I lead the *Cloud* and *Web* team. In addition to the management and Scrum tasks I also develop cloud microservices using C# with ASP.Net and Rust, together with their front ends with TypeScript and Vue.JS.

I also worked on integration of *simulation* and *optimization* solvers in our C# application and on computational geometry algorithms in C++.

Contact Software GmbH — Senior software engineer

Oct 2012 to Dec 2019

At Contact I was a developer of *PLM web applications*. I used Python for the backend and JavaScript with the React/Redux framework for the frontend.

I was the product owner of the products *3D Visualization*, *Variant management*, and *BOM/Virtual product*. I also managed the agile development processes for these products.

Contact Software GmbH

Juli 2011 to Sep 2012

Software engineer

During my PhD at the university of Bremen I had a part time developer position at Contact. In this time I worked on the packages *KPI/metrics* and *Variant management* of the PLM software.

Universität Bremen

Feb 2010 to Sep 2012

Wissentschaftlicher Mitarbeiter

During my PhD I had a part time position as a research and teaching assistant (Wissentschaftlicher Mitarbeiter) at the mathematics department. I did some research related to my PhD thesis and teached exercise classes in algebra and topology.

Education

Universität Bremen

2010 to 2012

PhD

Summa cum Laude.

I wrote my [PhD thesis](#) on the combinatorics and algebraic topology of toric arrangements at the mathematics department of the university of Bremen.

Università di Pisa

2006 to 2009

Master degree in Mathematics

110 cum Laude/110.

Master degree in mathematics at the university of Pisa. I had a focus on abstract algebra and algebraic topology. My master thesis was about representation theory and hyperplane arrangements.

Università di Pisa

2002 to 2006

Bachelor degree in Computer Science

110 cum Laude/110.

Bachelor degree in computer science at the university of Pisa. I had a focus on optimization and operational research. My bachelor thesis was about optimization methods for non differentiable convex problems.

Languages

Italian	Native
German	Fluent
English	Proficient
Dutch	Basic

Personal

Interests	Running, Swimming, Triathlon, Gardening, Slow food.