LUCA ZULIAN
Software Developer

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WHO AM I?

I'm a software developer living in Milan, born and raised in Treviso (Italy). I've been programming for over half of my life. I'm comfortable creating, developing, maintaining, and improving software written in C, C#, Python, Elixir, Rust, etc (most of my recent projects have been written in Elixir). I want to work more on Haskell, Rust, Erlang, OCaml and Scheme. I believe in the value of Open Source Software. My current interests revolve around functional programming, algorithms, compilers, interpreters, domain-specific languages, virtual machines and autonomous robots. I like designing, developing and deploying backend services focusing on high availability, low latency and scalability, building and operating infrastructure, toolset, and deployment pipelines and using all kinds of test methodologies, including A/B tests. I'm interested in keeping up with current best practices in my areas of expertise, and I'm comfortable running your software in Linux environments. I know, care and try to improve sound engineering practices like continuous delivery, defensive programming and automated testing. I'm familiar with designing and building distributed and scalable systems and enjoy seeing millions of users running my code. I understand data structures and algorithms well and how to apply them to design pragmatic solutions.

EXPERIENCE

06/2024
now
full remote

Senior Backend Engineer   Sibill

I contributed to Sibill's mission to automate financial operations for small and medium-sized businesses in Italy by simplifying complex processes such as cash flow management, e-invoicing, and payment scheduling. In my role, I utilized my expertise in Elixir to develop and optimize the infrastructure behind Sibill's core platform, ensuring that it remains robust, scalable, and user-friendly. My work empowered thousands of Italian SMBs to save time and focus on growth.

`Elixir / TypeScript / AWS / Terraform`

02/2024
05/2024
full remote

Senior Backend Engineer   Remote

I worked to support the mission of Remote.com to simplify global employment by enabling companies to hire and manage people anywhere in the world. My role was focused on developing and enhancing the infrastructure for the expenses product, utilizing my expertise in Elixir to build scalable, efficient, and reliable backend systems. Through my work, I helped empower Remote.com to offer a robust and user-friendly solution for managing employee expenses, ensuring compliance and streamlining operations for companies operating on a global scale.

`Elixir`

04/2022
01/2024
full remote

Senior Software Developer   Forza Football

I worked with the Elixir programming language. The focus of the team I was in has mostly been around the system in charge of ingesting football data updates from different data providers. I also worked on a few open-source projects that the company maintains.

`Elixir`

04/2020
03/2022
Milan — hybrid remote

Software Developer   Casavo

Creating infrastructure and microservices written in Elixir and Rust from scratch for listing platform and then for internal tool to manage real estate transactions. The main application is written with commanded library in CQRS and Event Sourcing. Help to create or evolve Test Automation, CI/CD and Observability practices.

`Elixir / Rust / TypeScript / Python`

06/2018
03/2020
Milan — full time

Software Developer   Prima Assicurazioni S.p.A.

Implementation of new features and maintenance activities on a insurance back-office platform mainly with Elixir, PHP, Elm and Haskell.

`PHP / Elixir / Python / Haskell`

09/2016
05/2018
Milan — full time

Software Developer   Deus Technology

Implementation of new features and maintenance activities on a financial back-office platform focused on performance and reliability mainly with Python and Java. Design and implementation of a system to collect intraday financial data from different data provider.

`Python / Bash / Java / C`

01/2016 08/2016 Milan — full time	**Software Developer** Analysis, design and development of digital rewards and gifting platform mainly with Microsoft technologies. Consultant activity at ABB automation. `C# / .NET / Javascript`	**ECRM Italia**

01/2016
08/2016
Milan — full time

Software Developer   **ECRM Italia**

Analysis, design and development of digital rewards and gifting platform mainly with Microsoft technologies. Consultant activity at ABB automation.

`C# / .NET / Javascript`

04/2015
01/2016
Milan/Bologna — full time

.NET Developer / Consultant   **YOOX Group**

Analysis, design and development APIs for the internal orders team using ASP.NET Web API, messaging system with RabbitMQ and MongoDB. Migration to a new IBM inventory and e-commerce system in Java and Scala. Tech leader of "lost and returns", "payment" and "fraud detection" teams.

`C# / .NET / Java / Javascript`

03/2012
03/2015
Milan — full time

Software Developer / Architect   **Dev4Side**

Web applications with ASP.NET and various javascript frameworks, mobile applications for iOS, Android and Windows Phone with Xamarin and native languages (Objective-C, Java and C#). Design and development web-based application with Node.js and Meteor.js (veganwall.com). Speaker at variuos events.

`C# / .NET / Xamarin / Meteor.js`

05/2011
02/2012
Padova — full time

Junior Software Developer   **Sia-Net S.r.l.**

Analysis, design and development websites and web-based applications, with C# and ASP.NET (WebForms and MVC) on Windows and Linux (Mono).

`C# / .NET / Javascript / Mono`

11/2008
04/2011
Treviso — full time

Junior Software Developer   **Ergon Informatica**

Analysis of production systems business, development and customization of software applications for the resolution of issues related to sales, production, purchasing, planning, inventory management and management control. Developing small applications for the web and mobile devices. Development of virtual systems (VMware). Research and development. Activities Help Desk / Technical Support.

`VB6 / VB.NET / .NET / C`

04/2004
10/2008
Padova — full time

PLC Manager — Industrial machine division   **Digipack S.r.l.**

Development for the automation of industrial processes, programming anthropomorphic robot (ABB, FANUC and KUKA) for the movement and handling of industrial products in general. Research and development. FANUC with Teach Pendant (or TP) and KAREL programming languages ABB with RAPID programming language KUKA with KRL programming language Plc SIEMENS with KOP, FUP and AWL programming languages

`C / VB.NET / asm`

EDUCATION

1999
2004
Treviso

Electrical and advanced industrial automation 100/100   **Istituto Tecnico Industriale "E.Barsanti"**

CERITFICATIONS

2012
Milan

TS: Web Applications Development with Microsoft .NET Framework 4   **Microsoft Certification**
ID: 9367215

2021
Online

Decision-making for Software Development Teams Workshop   **Avanscoperta**
ID: 2021 07 01

2021
Online

Applied Functional Programming Workshop   **Avanscoperta**
ID: 2021 06 23

2021
Online

EventStorming Remote Modelling Workshop   **Avanscoperta**
ID: 2021 05 11

2021
Online

Haskell Fundamentals   **47 Degrees**

2022
Online

Microservices Practical Workshop   **Avanscoperta**
ID: 2022 01 21

OTHER ACTIVITIES

Create and develop autonomous and self driving robots / Lego Robot Champion

LANGUAGES

Italian — native
English — proficient
French — rudimentary

HOBBIES

Tech Speaking, blogging, running and participate in various meetup and user groups.

NON PROFIT

Contribute to various Open Source projects.