Giammarco Boscaro

Full Stack Engineer | Aerospace Engineer

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in https://www.linkedin.com/in/giammarcoboscaro/   ↖ https://cv.gboscaro.duckdns.org/

○ https://github.com/GiamBoscaro

Profile

I am a **Software Engineer** graduated in **Aerospace Engineering**, with a strong I.T. and technical background thanks to my passion for **programming** and technology, as well as my work experience and education. I have experience in **designing, developing and evolving software** systems from the ground up, managing their entire life-cycles. Furthermore, I am a reliable and meticulous individual oriented to code **quality, flexibility and future extensibility**. I have experience working on professional and personal projects alone, but I can also be a great team member, capable of communicating in a multicultural environment thanks to my knowledge of the English language and the experience acquired abroad during my Erasmus and professional career. Moreover, I spend some of my free time to follow online courses and work on personal projects, continuously expanding my knowledge and improving myself.

Professional Experience

Apr 2023 – present Manching, Germany	**Software Engineer,** *Airbus Defence and Space GmbH* • Creation of internal web platform to deploy and control VMs instances and simulation environments
Jan 2023 – Mar 2023 Padova, Italy	**Java Core Engineer,** *Intesa Sanpaolo S.p.A.* • Development of new batch processes for IsyBank with Java 8 and Spring • Development of high coverage test suites with JUnit
Nov 2020 – Dec 2022 Padova, Italy	**Full Stack Engineer,** *I.M. Technologies S.r.l.* • Front-End development of web applications based on **Angular2+** and Nebular • Back-End development with **Node.js**, GraphQL (Hasura), OpenAPI, PostgreSQL • Mobile Apps development with **Flutter** and Firebase • **Test, build and deploy automation** with Jest, GitLab **CI/CD** pipelines, GitHub Actions • Extensive usage of **Docker** for development and deployment of applications on the cloud (Digital Ocean) • Full software life-cycle management (planning, analysis and design, development, release and maintenance)
Jan 2014 – Jul 2014 Padova, Italy	**Front-End Developer,** *CWBI S.r.l.* • Development of web applications based on JavaScript (AngularJS, jQuery) and Bootstrap • Legacy Java system development and maintenance • Websites development and restyling

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Education

Sep 2017 – Apr 2020 Padova, Italy	**Master's Degree in Aerospace Engineering,** *Università degli Studi di Padova* • Thesis title: **"HDR imaging techniques applied to a Schlieren set-up for aerodynamics studies"** • Final grade: **110/110**

Sep 2019 – Feb 2020 Manchester, UK	**Erasmus Programme,** *The University of Manchester*	

- Erasmus experience for master thesis research
- **Schlieren photography** of subsonic and supersonic aerodynamics phenomena in the wind tunnel
- Development of algorithms for HDR Schlieren images generation, processing and analysis with **MatLab**

Sep 2014 – Sep 2017 Padova, Italy	**Bachelor's Degree in Aerospace Engineering,** *Università degli Studi di Padova*

- Thesis title: **"A study on innovative methods for solid modeling based on volumetric elements"**

Sep 2008 – Jun 2013 Mestre, Italy	**High School Diploma in I.T.,** *I.T.I.S. C. Zuccante*

Skills

JavaScript *Node.js, jQuery, AngularJS*	● ● ● ● ○	**TypeScript** *Angular 10+, Nebular*	● ● ● ● ○
GraphQL *Apollo, Hasura*	● ● ● ● ○	**Automated Testing** *Jest, Mocha, Flutter, JUnit*	● ● ● ○ ○
Flutter *Flutter for iOS and Android*	● ● ● ● ○	**Java** *Java 6, Java 8*	● ● ● ○ ○
CI/CD *GitLab Pipelines, GitHub Actions*	● ● ● ○ ○	**Docker** *Docker, Docker Compose*	● ● ● ● ○
OpenAPI *Swagger, OpenAPI 3*	● ● ● ● ○	**Firebase** *Auth, Realtime, Firestore, Cloud Functions, Storage*	● ● ● ● ○
SQL *PostgreSQL*	● ● ● ○ ○	**Shell Scripting** *sh, bash*	● ● ● ○ ○
Project Management *ClickUp, Trello, Redmine*	● ● ● ○ ○	**Python** *Python 3*	● ● ○ ○ ○
Nginx	● ● ● ○ ○	**MatLab**	● ● ● ● ○
Kubernetes	● ○ ○ ○ ○		

Languages

Italian *Native speaker*	**English** *Highly proficient*
German *Beginner*	

Courses and Certifications

Node JS: Advanced Concepts
Udemy

Introduction to Mongo DB
MongoDB University

Machine Learning A-Z™: Hands-On Python & R In Data Science
Udemy

Docker & Kubernetes: The Practical Guide
Udemy

Design Patterns in JavaScript
Udemy

Clean Code
Udemy

Kubernetes Certified Application Developer (CKAD) with Tests
Udemy

English B2
University of Padova Language Centre

JavaScript Algorithms and Data Structures Masterclass
Udemy

Complete Python Bootcamp From Zero to Hero in Python
Udemy

Certified Kubernetes Administrator (CKA) with Practice Tests
Udemy

Interests

Landscape and Travel Photography | Civil Aviation | Formula 1 | Personal Finance | Cycling