



Software engineer who loves writing code for work and for fun; eager to learn and strongly passionate about the IT world, always looking for opportunities to enhance my technical skills. Fiction writer, oboist and travel photographer in my free time.

## WORK EXPERIENCE

### BJSS Ltd., Manchester – Software Engineer

2020 – present

Technology consultancy company. All the work is done remotely and based on stand-alone projects, providing opportunities to work with several clients and various programming languages and stacks.

Angular PHP Drupal GTM Jenkins

### Booking.com Transport, Manchester – Graduate Software Engineer

2018 – 2020

Team rotation every six months:

- Taxi pricing engine and discount service: migrated legacy pricing application to a modern SpringBoot API, simplifying the discount computation logic, as part of the restructuring towards microservices.
- Maintenance of the Capacity engine – a service to allocate taxi reservations based on suppliers availability.
- Supplier Integrations: management of the platform that communicates with the supplier APIs and integrates them to automate the reservation process.
- Maintenance of the Payment page of Rentalcars.com and the Sanction Screening process tool.
- Development and scaling of the new “Premium” insurance product.
- Web-replatforming: development of various filters for the Rentalcars results page and of the “Premium” and “Full Insurance” upsell banners, using React and integrating the components into the main webapp.

General activities:

- Everyday development follows the Agile principles, in particular the Kanban approach, including activities like pair programming and testing, code reviews, daily stand-ups and retrospectives.
- Recently involved in interviewing students who applied for the company's graduate scheme.
- Analysis and implementation of effective WFH techniques and tools to help team productivity, communication and general health during Covid-19 pandemic.

Java SpringBoot JSP JavaScript React PHP MySQL Bamboo GoCD AWS

### Free University of Bozen-Bolzano – Research Assistant

2017 – 2018

Collaboration in writing an article for IEEE about contracts and policies of cloud services, following the changes introduced by the new European law on data protection (GDPR).

Cloud Technologies SaaS GDPR

### ICT-Group, Reggio Emilia (Italy) – Frontend developer

2016 – 2017

300-hours curricular internship, leading to a 5-months part-time contract.

Development of a customised HRMS, a web application to manage holidays, sick leaves and business travel requests, for the use of employees and HR staff.

JavaScript AngularJS HTML CSS Bootstrap jQuery NodeJS MongoDB

## PROJECTS

**Raspberry PI dashboard:** set of customised dashboards (weather, air quality, Covid-19 cases, stocks, alerts from projects...) to be displayed on a screen and powered by a RasPi. 2020

**Italian Fiscal Code:** Android app to compute the Italian tax code, extract user's details and verify correctness; published on the Play Store with 5000+ users.

**Twitch notifier:** simple customisable cron server that sends a notification (Slack, Discord) when a followed Twitch streamer goes live.

**BitBar plugin:** display build & deployment statuses of preferred Bamboo branches; contribution to the open-source BitBar project. 2019

**MSc dissertation:** automated grading methods for students' programming assignments. 2018

**GESS hackathon (Shanghai):** Global Entrepreneurship Summer School on Food and Sustainability.

**“Silicon Valley Study Tour”:** organised tour of the major companies in the SF Bay area for the most talented Italian students. 2017

**BSc dissertation:** research on exploiting Self-Admitted Technical Debt for updating / reverting code versions in a context of emergent events in Systems of Systems.

**Google “Inside Look”:** workshop on Cloud technologies at Google Warsaw for CompSci students graduating in 2017 (invitation via selective contest, fully funded). 2016

## EDUCATION

### University of Manchester

MSc in Advanced Computer Science

2017 – 2018 Distinction

### Free University of Bolzano (Italy)

BSc in Computer Science

2014 – 2017 106/110

### College of Charleston (USA)

Exchange Semester

2015 GPA 4.0

## PROGRAMMING LANGUAGES

Java ★★★★★★  
Python ★★★★★★  
JavaScript ★★★★★  
C# ★★★★★  
Kotlin ★★★★★  
PHP ★★★★★

## SKILLS

**Frontend:** React, Angular, jQuery, HTML, CSS, SCSS, Bootstrap

**Backend:** Spring, JSP, Django, Flask, ASP.NET, Express, NodeJS, Drupal

**Mobile:** Java & Kotlin for Android

**Database:** MySQL, Postgres, MongoDB, Firestore

**Testing:** JUnit, Mockito, Cucumber, PACT, Jest, Espresso

**Cloud & DevOps:** Docker, AWS, GCP, Heroku

## LANGUAGES

Italian Native  
English Fluent (C2)  
German Intermediate (B2)

## INTERESTS & ACTIVITIES

Working on personal tech & dev projects, following courses and talks to deepen my technical skills.

Photography, video editing, computer graphics, videogames.

Reading novels and essays, technical and creative writing.

(solo) travelling.

Classical music, theatre, museums

