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| **MARTA PANCALDI**  Software Engineer |  | mpancaldi@outlook.com  Manchester |
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| 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. |

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| **WORK EXPERIENCE**  **BJSS Ltd., Manchester** –S*oftware 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.  VueJS  PHP  Drupal  Jenkins  **Booking.com Transport, Manchester** – *Graduate* S*oftware 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 an 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  PHP  React  MySQL  GoCD  Bamboo  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).  GDPR  Cloud Technologies  SaaS  **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.  CSS  MongoDB  AngularJS  NodeJS  jQuery  Bootstrap  HTML  JavaScript  **PROJECTS**  **Raspberry PI dashboard:** set of customised dashboards (weather, air quality, Covid-19 cases, 2020 stocks, alerts from projects…) to be displayed on a screen and powered by a RasPi.  **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 2019  to the open-source BitBar project.  **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 2017 most talented Italian students.  **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 2016 graduating in 2017 (invitation via selective contest, fully funded). | **EDUCATION**  **University of Manchester**  *MSc in Advanced Computer Science*  2017 – 2018 Distinction  **Free University of Bozen-Bolzano**  *BSc in Computer Science*  2014 – 2017 106/110  **College of Charleston**  *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  English  German | | Native  Fluent (C2)  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 | | |

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| [github.com/martapanc](https://github.com/martapanc) | [mpancaldi.co.uk](http://mpancaldi.co.uk/) | [linkedin.com/in/martapancaldi/](https://www.linkedin.com/in/martapancaldi/) |