

Valerio Piotti

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Summary

As a tech enthusiast and having recently completed the Makers Academy bootcamp in software development, I am keen to work alongside professional software engineers with a positive entrepreneurial mindset, whilst diligently building my career in programming.

Amongst my core values are inclusivity and strong teamwork, whilst embracing continuous growth. Furthermore, I take ownership of my work, prioritize the quality of my delivery, driven by innovation and passion. I strive to create high-quality results whilst maintaining clear and frequent communication.

I have a good understanding and passion for Test-Driven Development within an Agile Environment. With a background in construction engineering, I am enthusiastic about the possibility of bringing my diverse skill set and dedication to a dynamic team.

Technical and Soft skills

- Agile workflow, Object-Oriented Design, Testing-TDD, VSCode, Version control: Git, GitHub
- Coding skills and knowledge: C, C++, Python, CSS/HTML5, PHP, VBA, PostgreSQL
- Capable of delivering focused professional communication exchanges.
- Proactive learner with a mentoring attitude. Problem-Solving oriented and goal-focused individual.
- Capable of efficiently self-managing daily workload. Cross-platform software and hardware knowledge.

Projects

| PRJ NAME | DESCRIPTION | IMPLEMENTATION |
|---|---|---|
| MAKERSBNB github.com/ValerKoll/MakersBnB.git | <i>Like the Airbnb portal, the aim of the website is to enable users to register, log in as either guest or host, add and book spaces available to rent for specific dates.</i> | <i>Python, TDD, OOD, Flask, HTML, Jinja, CSS, SQL</i> |
| TWITTEX PROJECT | <i>A simplified version of the most famous social media Twitter giving the option to add multiple comments to single posts.</i> | <i>Python, TDD, OOD, Flask, HTML, Jinja, CSS</i> |
| TKWAY APP | <i>A simple takeaway platform to order food online.</i> | <i>Python, TDD, SQL</i> |

Education

- Makers Academy, Bootcamp in Software Engineering – 2024
- University of East London - BSc (Hons) in Surveying and Mapping Sciences – 2017 - Grade: 1st Class

Student | Maker academy | London | October 2023 - January 2023

Advanced my career through comprehensive software development training, mastering key course modules:

- Command line operations, Git version control, and efficient file management.
- Essential engineering practices including test-driven development and debugging, ensuring code quality and reliability.
- Database design with PostgreSQL, integrating databases into web applications.
- Utilizing HTTP requests for enhanced web application functionality.
- Implementation of golden square engineering practices for robust and scalable applications.
- Deployment of database-backed web applications to cloud servers using CI-CD pipelines for streamlined processes.
- Application of agile methodologies to project development, ensuring adaptability and efficiency

Caring for a family member | May 2023 – September 2023

After the downsizing of the HS2 project at Euston station, I unfortunately faced redundancy. However, I made a conscious decision to prioritize my family responsibilities and dedicated my time to caring for my mother, who was recovering from

an accident. During this period, I developed valuable skills, including resilience, patience, and adaptability. These qualities have equipped me to excel in any professional setting, and I am eager to apply them in a new role.

Senior Land Surveyor | Geocisa | London Euston St. | August 2022 - April 2023

Took ownership of supervising the quality of work for each project within the HS2 Euston station, ensuring compliance with the RICS code of practice for land surveyors to deliver assurance and reliable data. Overseeing the monitoring of various buildings and infrastructure within project boundaries, including structures such as shafts, temporary props, and listed buildings. Developed proficient problem-solving skills to effectively address complex surveying challenges, contributing to successful project execution. Collaborated with a team of professionals to ensure timely completion of projects, while enhancing communication and coordination within the team. One notable achievement involved leading the initiative to collect and organize all relevant information, field data, and project details in MS SharePoint, facilitating seamless integration between operatives and teams

Interests

I am passionate about nature and enjoy engaging in outdoor activities. One of my notable achievements includes climbing the Jungfrauoch mountain and reaching the Sphinx Astronomical Observatory.