**MARCOS** ASTUDILLO

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**Software Developer | Agile Project Manager |Interface Designer**

**Professional Summary**

**Software Developer / Programmer, skilled in Java, SQL, and Python with a solid foundation in both hardware and software troubleshooting.** Adept at developing and refining applications, particularly in augmented reality and data visualization, using a diverse toolkit that includes Django, Flask, and Tkinter. **Proven track record of enhancing software library management and performance tuning across multiple projects.** Brings a meticulous approach to software design and user experience optimization. [www.marcosastudillo.com](http://www.marcosastudillo.com), <https://github.com/ThisIsAntonio>.

**Skills**

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| --- | --- | --- |
| * Software Development * Augmented Reality * Data Visualization * Library Management | * Technical Troubleshooting * Quality Assurance and Testing * User Interface (UI) and User Experience (UX) Design | * Problem Solving * Project Management * Analytical Thinking * Time Management |

* Project Coordination
* Cost Management
* Scheduling and Planning
* Subcontractor Management
* Proficiency in Jonas Software
* Machinery Operation (e.g., Skid Steers, Loaders)
* Effective Communication
* Team Leadership and Training
* Problem Solving
* Time Management
* Adaptability
* Attention to Detail

**Work History**

*IT Consultant | 12/2021 – 08/2022*

ConIngenio.cl, San Bernardo, Chile

* Identified requirements to tailor IT solutions effectively, keeping all project budgets under the $5,000 mark.
* Upgraded software libraries and conducted performance tuning to enhance system reliability and efficiency across several company projects.
* Conducted in-depth analyses and implemented quality assurance measures for more than three key projects.
* Delivered maintenance and technical support for IT systems, reducing downtime and improving user satisfaction.
* Troubleshot and resolved complex hardware and software issues, leading to improvements in system functionality and user experience.

*Junior Programmer | 02/2020 – 02/2021*

Object Profile, San Bernardo, Chile

* Developed and refined AFrame export libraries utilizing Smalltalk, leading to substantial improvements in AR applications and data handling.
* Tailored Roassal3Export libraries to integrate with web technologies like HTML, JSON, and JavaScript.
* Analyzed user interactions with graphical interfaces to optimize UI/UX designs, directly enhancing end-user satisfaction and engagement.
* Managed comprehensive updates to software systems, ensuring alignment with the latest tech standards.

*Junior Programmer (Internship) | 09/2020 – 12/2020*

Object Profile, San Bernardo, Chile

* Enhanced and optimized libraries for exporting AR content, improving visualization tools and interactive data displays in augmented reality settings.
* Created and deployed analytical control panels and reports tailored to specific business requirements.
* Conducted detailed programming studies using Smalltalk integrated with web technologies, increasing the accuracy and usability of data analysis tools.

*IT Equipment Maintainer | 07/2021*

Carolina Alejandra Silva Peñaloza, San Bernardo, Chile

* Provided targeted evaluation, updating, and repair services for IT equipment, focusing on maximizing system performance and reliability during a short-term engagement.

**Education**

**Computer Engineering Technology - Computing Science**  
*Algonquin College, Canada*

**Computer Programming Analyst**  
*DUOC UC, Chile*

**Geomatics Engineering**  
*Universidad Tecnologica de Chile INACAP, Chile*

**Certifications & Courses**

* Electronics Foundation: Fundamentals | LinkedIn | 2024
* Master in Python: Learn Python 3, Django, Flask, and Tkinter | Udemy | 2021
* Software Programming Certificate | DUOC | 2021
* Data Model Analysis and Development Certificate | DUOC | 2021
* Information Requirements Analysis and Planning Certificate | DUOC | 2021
* Software Quality Certificate | DUOC | 2021

**Technical Skills & Tools**

Python | C# | Java | C | C++ | R | JavaScript | PHP | SmallTalk | HTML | CSS | Ajax | SQL | Golang | PLSQL | Django | Flask | AFrame | Roassall | TKinter | jQuery | Bootstrap | Angular | Git | GitHub | Oracle | MySQL | Oracle SQL Developer | Oracle Data Modeler | VMWare Workstation | Oracle VirtualBox | Eclipse | Apache NetBeans | MySQL Workbench | Visual Studio | Core | Pharo | Excel | Microsoft Word | Outlook | PowerPoint | Project | Prezi | Agile Methodologies (SCRUM) | Software Testing and Validation | Interface Design and Implementation | Code and Quality Standards | Windows | Linux | MacOS