

# MARCOS ASTUDILLO

SOFTWARE DEVELOPER | FULL-STACK DEVELOPER | SOFTWARE ENGINEER

## PROFESIONAL SUMMARY

**Software Developer / Programmer, skilled in Java, SQL, Python, and others programming languages with a solid foundation in both hardware and software troubleshooting.** Adept at developing and refining applications, specializing in full-stack development and software engineering with a strong proficiency in relational and NoSQL databases. Brings a meticulous approach to software design and user experience, with a proven record in developing and maintaining robust, efficient applications. Known for enhancing database management, optimizing performance, and delivering scalable, user-centered solutions through collaboration and technical expertise.

## SKILLS

- Software Development
- System Optimization
- Quality Assurance and Testing
- Project Management
- Time Management
- Agile Methodologies (SCRUM)
- Frontend Development
- Backend Development
- Technical Troubleshooting
- User Interface (UI)
- User Experience (UX) Design
- Analytical Thinking

## WORK HISTORY

**FULL STACK DEVELOPER** Dec 2021 – Sep 2024

**ConIngenio.cl (Software Development Industry)** San Bernardo, Chile

- Designed and developed modern web applications in close collaboration with product managers, prioritizing scalability and user experience.
- Built secure and efficient back-end services using Python and Django, integrating unit tests, validations, and smooth deployment workflows.
- Developed interactive front-end interfaces with Angular, enhancing user engagement and UI consistency.
- Authored clear and structured technical documentation, including API references, user guides, and developer manuals.
- Diagnosed and resolved critical hardware and software issues, improving system performance and reliability.
- Delivered tailored IT solutions within tight budgets and timelines, consistently meeting stakeholder expectations.
- Worked alongside QA engineers to ensure comprehensive test coverage, reducing post-release bugs by over 30%.
- Contributed to the design of cloud infrastructure, ensuring high availability and minimal downtime.

**PROGRAMADOR JUNIOR** Sep 2020 – Feb 2021

**Object Profile (IT Services Industry – Data Analysis),** San Bernardo, Chile

- Developed and refined AFrame export libraries utilizing Smalltalk, leading to substantial improvements in AR applications and data handling.
- 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 requirements.
- Tailored Roassal3Export libraries to integrate with web technologies like HTML, JSON, and JavaScript.
- Analyzed user interactions with graphical interfaces to optimize UI/UX designs.

- Conducted detailed programming studies using Smalltalk integrated with web technologies, increasing the accuracy and usability of data analysis tools
- Managed updates to software systems, ensuring alignment with the latest tech standards.

**SURVEYING ENGINEER** Aug 2011 – Jun 2016

**Municipalidad de Vitacura, Public Spaces Directorate**, Vitacura, Chile

- Managed topography contracts in the municipality, participating in major construction projects such as the undergrounding of Gerónimo de Alderete.
- Provided customer service to process public space occupancy permits and coordinated with companies to execute work under these permits.
- Carried out the collection of public space occupancy permits, generating annual revenues of approximately 100 million pesos.
- Managed and updated municipal plans in collaboration with the Directorate of Public Works, ensuring accuracy and continuous maintenance of the information.

**EDUCACION**

**Computer Engineering Technology – Computing Science**,  
Bachelor’s degree, Honors  
**Algonquin College**, Canada

**Computer Programmer Analyst**  
**DUOC UC**, Chile

**Surveying Engineer**  
**Universidad Tecnológica de Chile INACAP**, Chile

**CERTIFICACIONES Y CURSOS**

- Full Stack Developer (*Helsinki University, 2024*)
- Electronics Foundation: Fundamentals (*LinkedIn, 2024*)
- Master in Python: Learn Python 3, Django, Flask, and Tkinter (*Udemy, 2021*)
- Docker Course from Basics to Advanced – *Udemy (2024)*
- Cybersecurity with Cloud Computing – *LinkedIn (2024)*
- Develop a COVID-19 Live Web App with Python Django – *Udemy (2024)*
- Learn SQL Concepts – *Udemy (2024)*
- Practical GitHub Actions – *LinkedIn (2024)*
- Seguridad Informática desde Cero – *Udemy (2024)*

**TECHNICAL SKILLS & TOOLS**

**Programming Languages:** Python | Java | C# | C | C++ | R | JavaScript | PHP | Go (Golang) | PL/SQL | Smalltalk

**Frameworks and Libraries:** Django | Flask | ASP.NET | .NET Framework | Angular | React | A-Frame (VR) | Roassal | Tkinter | Bootstrap | jQuery

**Databases:** SQL | NoSQL | Oracle Database | MySQL | Firebase | Oracle SQL Developer | Oracle Data Modeler | GCP | AWS

**Web Developments:** HTML5 | CSS | AJAX | JSON | JDBC | JSF | EJB

**Development Tools and Versions:** Git | GitHub | Jenkins | Visual Studio | NetBeans | Eclipse | Postman API | Microsoft Azure | VirtualBox | VMware Workstation | Docker

**Methodologies and Test:** Agile (SCRUM) | Software Testing and Validation | Quality Assurance | Software Engineering Practices

**Operative Systems:** Windows | Linux (Ubuntu, Kali Linux) | MacOS

**Productivity Tools:** Microsoft Word | Excel | PowerPoint | Outlook | Project | Prezi | ArcGIS Explorer | AutoCAD

**Computer Security:** Ethical Hacking | Computer Security | Anonymity on the net | Kali Linux

**Soft Skills:** Problem Solving | Analytical Thinking | Time Management | Communication | Creative Problem Solving

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**WEBSITES, PORTAFOLIO**

- <http://www.marcosastudillo.com>
- <https://github.com/ThisIsAntonio>

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**LANGUAGES**

Spanish: Native | English: Advanced (C2)