MARCOS ASTUDILLO

SOFTWARE DEVELOPER | FULL-STACK DEVELOPER | SOFTWARE ENGINEER

PROFESSIONAL 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 12/2021 to 09/2024
ConIngenio.cl (Software Development Industry), San Bernardo, Chile

- Collaborated with product managers to design and develop cutting-edge applications.
- Led the design and deployment of a customer management system, integrating user feedback mechanisms to gather insights for ongoing development.
- Implemented back-end web applications, focusing on coding, unit testing, and integration to support scalable and secure software solutions.
- Authored and maintained detailed technical documentation, including code comments and user manuals, to support future reference.
- Troubleshot and resolved complex hardware and software issues, leading to improvements in system functionality and user experience.
- Identified requirements to tailor IT solutions effectively, keeping all project budgets under the $5,000 mark.
- Provided critical maintenance and technical support for IT systems, reducing downtime.
- Collaborated with Quality Assurance engineers to ensure comprehensive testing coverage, significantly reducing post-release bugs.

JUNIOR PROGRAMMER 09/2020 to 02/2021
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.

EDUCATION

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

DUOC UC, Chile
Computer Programming Analyst

Universidad Tecnológica de Chile INACAP, Chile
Surveying Engineering

CERTIFICATIONS
COURSES

- 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

WEBSITES, PORTFOLIOS

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