German HERRERA

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PROFILE

Experienced software developer skilled in design, analysis, modeling, development, and implementation of robust software solutions. Motivated by solving complex problems and results-oriented. My experience as a teacher has equipped me with knowledge of various technologies and best practices for their application. Furthermore, my professional work has given me the opportunity to interact directly with customers and apply my skills to transition from a problem to the required solution.

Autonomous, analytical, and strategic, I possess proactive and excellent organizational skills. I am capable of working effectively in a team, am honest, and manage information confidentiality well. I am responsible, creative, and punctual.

TECHNOLOGICAL SKILLS

- Web technologies ASP, Node, PHP, JSP (JavaScript, HTML et CSS), Framework Angular et React.
- Regular user of agile methodologies and VCSs like git, bitbucket and Subversion.
- Knowledge of C, C#, Java, Python languages. Kotlin, and development with Xamarin.
- Experience as an administrator of various LMS such as Blackboard and Moodle.
- Experience in DBMS administration, both SQL and NoSQL.
- Technical support, hardware and software, and network administration (DA, Exchange).

PROFESSIONAL EXPERIENCE

Developer
McGill University Health Center, Montreal, QC.
2020

Environment :	Languages:	BD:	Tools :
Firebase, Node, Angular 9	*HTML, CSS, JavaScript, TypeScript*	*Firebase, JSON*	*Bootstrap, Git, Trello, Google DOCS*

✔ Develop components as defined during team scrums and ensure their integration is done correctly.

✔ Conduct unit test audits to ensure the proper functioning of components developed in Angular.

✔ Effectively manage versions in Git and ensure correct deployment for each of them.

Consultant and software developer.
MULTIPLIQUE.NET (Software factory), Bogota, Colombia
2008 – 2023

Environment :	Languages:	BD:	Tools :
Linux, AWS, JAVA EE, Tomcat	*Java 8, HTML, CSS, JavaScript*	*Oracle, MySQL, MariaDB*	*Subversion, Git, Jira, Docker, Excel, Google DOCS*

✔ Lead the analysis and development activities of several projects by implementing agile methodologies.

✔ Develop the JEE technology components necessary for the K2 software, following the MVC model.

✔ Properly monitor software versions using Git, as well as versioning UML diagrams, database schemas and prototypes.

✔ Propose solutions to clients and supervise their implementation in accordance with the Agile methodology.

✔ Administer the database and create SQL queries requested by users following the evolution of the project.

SENA Institute: *Professional formation center ,*Bogota, Colombia   **2002 - 2019**

Environment : Windows, Linux, Mac OS, Node JS, Apache	**Languages**: *Java , C, C#, Visual Basic, VBA, PHP, HTML, CSS, JavaScript, JQuery, Python*	**BD**: *Oracle, SQL Server, MySQL, Maria DB, PostgreSQL*	**Tools** : *Docker, Git, Star UML, Jira, Microsoft Office, Subversion ,Google DOCS*

Trainer

✔ Choose teaching-learning-evaluation strategies according to the training program and the methodological approach adopted.

✔ Guide the learning process based on the needs identified in existing assessment processes, learning methods and programs.

Administrator LMS.–Blackboard (MOOC Application)

✔ Prepare virtual classes following the schedule established by the institution for approximately 50,000 students.

✔ Monitor the execution of courses created according to the entity's directives.

✔ The implementation of the strategies that I developed allowed us to achieve the objectives of the last 3 years.

IT manager

✔ Ensure the proper functioning of the network infrastructure, including setup and troubleshooting.

✔ Assist users with problems related to the organization's applications and equipment.

✔ Develop training plans on managing the necessary applications and equipment.

✔ Manage 400 computing machines using various operating systems, including their proper operation and system reliability/redundancy.

SOCIAL IMPLICATION

Laval Community Relay: **2022 – 2023**
Developer, IT support

✔ Troubleshoot first-level issues, whether on specific applications or on the base system.

✔ Computer repair, software installation, and computer maintenance.

✔ Design and develop an application aimed at facilitating food distribution.

ACADEMIC TRAINING

IT Management (AEC Business Informatics**)**   **2023**
Teccart Institute - School of Technology, Montreal, Canada
Systems engineer (B.Eng**)**   **2013**
National University of Colombia, Colombia

Seminars and individual lessons
*Object Oriented Programming in Java - **SENA Institute, Colombia***   **2014**
*Formation in auditory systems for performance critical applications - **SENA Institute, Colombia***   **2014**
Didactic skills for project-based training- ***SENA Institute, Colombia***   **2019**