Josue Kevin Fernandez Padilla

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Skills and qualifications

Programming Languages

C	3 years of experience
C++	4 years of experience
Python	6 months of experience
Java	2 years of experience
.net	8 years of experience
Pl/sql	1.5 years of experience

Platforms: Windows XP/7/8 (User), Linux (User).

Languages: Spanish (Native)
English (B2 Level)

Web frameworks:
React 8 months experience.

Technology:
SQL(1 year), HTML(3 year), Servlets(1 year), Photoshop(7 year), MATLAB(2 year)

Education:

Bachelor of Science in Computer Systems Engineering (2017 –2022) ESCOM –Instituto Politécnico Nacional

- Active member of the **algorithm's club** of the institute.
- Active participation in the **club of Security** Informatics
- Represented the institution on multiple occasions at **competitive programming** contests.
- *GPA* 82/100

Technical career Informatics (2013-2016) CECYT#5–Instituto Politécnico Nacional

- Active participation in club to **OMI competitive**

Work experience

Software Development at IBM (2021 Nov. –2022 Dic)

Intern IBM (2020 Dic. –2021 Dic)

- Consulting activities, making functional **technical designs**, implementing, developing and presenting projects. through the method of **agile** development, and the framework **design and thinking**. Activities to be performed include the management of the software cycle:
  -**Analyze the requests**: one of the activities is to receive the requirements that have to do with **PL/SQL** or **JAVA** implementations.
  -**Design the solutions**: a detailed report is made so that it can be more detailed to move on to programming.
  -**Programming and implementation:** Implementing solutions using quality metrics, as well as automated tools such as **plastic** and **sonar cube**.
  -**Test the solutions**: the solutions are tested to be moved from development to the real environment.
  -**Delivery of the solutions:** the work done is delivered to the customer.

Volunteer work

Servicio social(Marzo 2022-sep 2022) | Escuela Superior De Computo –México City.
Implementation of tools with a professor of the computer high school for the elaboration of self-assessed and randomized exams to create one for each student, among other utilities for the professor.

University algorithm club teacher(2019) | Escuela Superior De Computo –México City.
Basic Competitive Programming Course.:
teach knowledge of data structures students very useful topics in computer sciences such as: algorithmic complexity, data structures, problem solving techniques and team strategies to crack hard problems that arise during competitive programming contests.

School project carried out by a SNI researcher Mexico city(BEIFI).

Feelings of plants(2019-Jan-Aug):
Investigation about how to detect the feeling of the plants using a computer program develop a pattern recognition using Viola Jones algorithm to recognize the characteristics of the plants.

INTELLIGENT SYSTEM TO MANAGE THE RESOURCES AND EXAMS ASSIGNED IN A VIRTUAL CLASSROOM(2020-feb-jul.):
programming an educational tool that allows the university student to learn calculus in an interactive way.

Advocate program at IBM

Advocates (2020-Jan-dic):
during this program we learned IBM tools to be able to apply them to our projects Watson, chatbots,blockchain, design thinking, agile, IBM cloud, as well as to reinforce some soft skills such as teamwork, or leadership.

Projects

Collaborative board:
lead and develop a web tool that would allow us to have an online whiteboard shared with others, as well as to be able to save the session for later use, using technologies such as React, nodejs, webpack, sevlets, togetherjs.

Facial recognition project, menu with voice:
lead and develop a web tool that allows us to have a voice-controlled menu followed by options such as "the game of life", facial recognition, among others, that allow the viewer to know the new technologies and how they work .

Awards and Leadership

programming contests
-8th place at Donald Knuth contests in ESCOM_IPN
-13th place Club Pu++ contests in UNAM
-ACM ICPC México 2018 10th place of ESCOM ACM ICPC México 2019
-top 50 on the omega up platform.
-Fourth place in the camp programming competition at ESCOM
-2th place to ESCOM in Hack Defender

Work

–Badge in 2021 for 382 hours of learning in this year and 22 credentials earned(link to credentials) within them varied topics such as microservices, consulting, cloud, chatbot Watson, data science, machine learning, agile, quantum and soft skills such as mind growing resilience communication.
-IBM intern learning second place award.

Courses

CLASSROOM COURSES
Diploma in "GBS Academy: Microservicios" endorsed by IBM GLOBAL BUSINESS SERVICES ONLINE

COURSES
Diploma in "Tecnico en sistemas informaticos" endorsed by the SEP
Diploma in "Tecnico en integridad web" endorsed by the SEP
More than 20 online courses about various topics including algorithms, programming paradigms, c + + java, scrum, Linux, given by various universities with certificates of udemy.