DAVID ALONSO QUISPE CASTILLO

24 years old | da.qc@outlook.com | +34 627994972

Systems Engineer with experience in Software Development, Cybersecurity and AI/ML frameworks.

WORK EXPERIENCE

HAMB INGENIERÍA Y CONSTRUCCIÓN S.A.C. (Cusco, Perú | on-premise**)**

Leading engineering and construction company, specializing in project development, civil works management, specialized systems, and real estate development.

Position: Full Stack Web Development Intern (January 2022 – September 2022)   **Direct Reports: 2**

Responsibilities:

- Led an interdisciplinary team in the analysis, design, implementation, testing, and deployment of HAMBIC S.A.C.'s web application, utilizing PHP, JS, and SQL for backend development, and HTML5, JS, and CSS3 for frontend design.

   Achievements:
   - Successfully implemented the SAP system, optimizing inventory control and reducing inefficiencies by 30%.
   - Enhanced the main domain's web application, resulting in a 25% increase in the customer base.
   - Boosted the sales team's productivity by 20% through the implementation and training on the use of a CRM.

PLAWLABS LTD. (London, UK | remote**)**

Tech startup focused on AI-powered virtual assistant solutions and custom software development.

Position: **AI/ML Engineer** (July 2024 – **current**)   **Direct Reports: 1**

Responsibilities:

- Implement and test LLMs, both open-source and proprietary, to accomplish specific tasks. Collaborate closely with interdisciplinary teams to translate company requirements into effective solutions, successfully executing Proof of Concept (POC) projects focused on LLM workloads.

   Achievements:
   - Trained and optimized LLaMA 3.1 8B and 70B models using quantization and PEFT techniques to generate adapters and merge them with base models.
   - Implemented a RAG system with an embedded model and vector database for efficient text retrieval and accurate response generation.
   - Applied prompt engineering techniques such as few-shot learning and active prompting to optimize model outputs.
   - Deployed AI agents via LangChain and Langroid, utilizing tool calling and task management to automate tasks and execute actions within external applications, enhancing operational efficiency

EDUCATION

DIGITECH, TECHNOLOGY AND DIGITIZATION CENTER (Madrid, Spain)
 Dual Higher Degree in Network Systems Administration (September 2023 – **current**)

UNIVERSIDAD MAYOR (Santiago, Chile)
 Online Diploma in Cybersecurity (April 2023 - November 2023)

EUROPEAN CENTER OF POSTGRADUATE STUDIES AND BUSINESS (CEUPE) (Madrid, Spain)
 Online Master in Cybersecurity (March 2022 - May 2023)

ANDEAN UNIVERSITY OF CUSCO. (Cusco, Peru)
 Bachelor's Degree in Systems Engineering (January 2017 - November 2022)

TECHNICAL SKILLS

LANGUAJES

Spanish	Native (C2)
English	Intermediate High (B2)

PROGRAMMING FRAMEWORKS

ASP.NET	Intermediate
Bootstrap	Intermediate
Flutter	Intermediate
JQuery	Basic

CYBERSECURITY FRAMEWORKS

CIS	Intermediate
MITRE ATT&CK	Intermediate
NIST	Intermediate
OWASP Top 10	Intermediate
STRIDE	Intermediate

AI/ML FRAMEWORKS

Huggingface	Intermediate
Keras	Intermediate
Langchain	Intermediate
Langroid	Intermediate
PyTorch	Intermediate
Tensorflow	Intermediate

CLOUD COMPUTING

Microsoft Azure	Basic
Amazon Web Service	Intermediate
Google Cloud	Intermediate

TOOLS / SOFTWARE

Autopsy	Intermediate
Burpsuite	Basic
Git	Intermediate
Microsoft Threat Modeling Tool	Intermediate
Nessus	Intermediate
Oracle VirtualBox	Intermediate
SolarWinds	Intermediate
Vega	Advanced
Vooki	Intermediate
Wireshark	Intermediate
ZAP	Advanced

DATABASE MANAGEMENT SYSTEMS

Microsoft SQL Server	Advanced
MongoDB	Basic
MySQL	Intermediate
Oracle Database	Intermediate

PROGRAMMING LANGUAGES

C#	Intermediate
C++	Intermediate
Dart	Intermediate
Java	Advanced
JavaScript	Intermediate
Kotlin	Intermediate
Python	Intermediate
SQL	Advanced
Shell	Intermediate
Visual Basic .NET	Intermediate

CERTIFICATIONS

- Transformer Models and Deep Learning for NLP Expert **(August 2024)** — LenguajeNatural.AI

- Endpoint Security **(October 2023)** — Cisco Networking Academy

- CyberOps Associate Training **(July 2023)** — Cisco Networking Academy

- International Certification in Computer Forensics **(April 2023)** — National Forensic Investigation Institute of Perú

- Expert in Information and Security Systems **(March 2023)** — European Postgraduate and Business Studies

- Internal Auditor ISO 27001 **(March 2023)** — TÜV NORD

- Internal Auditor ISO 22301 **(March 2023)** — TÜV NORD

- International Certification in Ethical Hacking **(March 2023)** — National Forensic Investigation Institute of Perú

- International Certification in Information Security **(February 2023)** — National Forensic Investigation Institute of Perú

- Cloud Security Technician **(October 2022)** — Carlos Slim Fundation

- Cybersecurity White Hacker Lev#1 Training Course **(October 2022)** — MOCT College

LINKS

LinkedIn: linkedin.com/in/daqc
GitHub: github.com/mcdaqc