cabazaga@gmail.com

www.linkedin.com/in/cabazaga
(LinkedIn)
github.com/Carbaz (Personal)
bitbucket.org/CarBaz (Other)

Top Skills

Python
Generative AI
LLM

Languages

Español (Native or Bilingual)
Inglés (Full Professional)

Certifications

ISO/IEC 27001 Information Security
Foundation
Hands-On AI: Introduction to
Retrieval-Augmented Generation
(RAG)
LLM Engineering: Master AI, Large
Language Models & Agents
M101P: MongoDB for Developers
Stay Lean with Kanban

Publications

Sistema de monitorización
multiprotocolo para redes de nodos
avanzados.

Carlos Bazaga

Senior Software Engineer growing on Gen AI and LLM Engineering |
Python, AWS Cloud, Docker, GitHub, SQL, NoSQL, Gen AI, LLM
Madrid, Community of Madrid, Spain

Summary

With a constantly evolving career path in the field of software
engineering, I specialize in modernizing architectures and
implementing cutting-edge solutions, and I'm now growing on the
fascinating field of Gen AI and LLM engineering.

At Volkswagen Digital:Hub, I have collaborated in the transition from
COBOL/Mainframe-based systems to advanced technologies such
as Python and AWS, redefining development processes with CI/CD
pipelines and contributing to the sustainable growth of the "Logistics"
area.

My previous experience at SEAT:CODE allowed me to delve
deeper into the creation of backend infrastructures for mobile and
web applications, strengthening my skills in microservice-oriented
programming and code optimization. Valuing quality and efficiency,
I strive to design solutions that drive innovation and automation,
always seeking to overcome technological challenges.

I develop personal projects and collaborate on "open source"
projects in my free time:
www.github.com/carbaz
www.bitbucket.org/carbaz

Experience

Volkswagen Digital:Hub
Senior Software Engineer
June 2023 - March 2025 (1 year 10 months)
Madrid, Comunidad de Madrid, España

Analysis and evolution design of software services architecture and
modernization of COBOL/Mainframe based solutions to modern technologiess
as Python and AWS.

Implementation of CI/CD pipelines to automate testing, code integration and deployment on Github Actions and Bamboo.

Technical challenge design, interviews and evaluation of candidates to open positions.

Technologies:

Python3, Linux, Docker, Docker Compose, Kubernetes, MySQL, SQLAlchemy, AWS Cloud, DynamoDB, AWS Glue, AWS Lambda, AWS S3, Flask, Microservices, GitHub workflows/actions, Code optimization, Project refactoring, GIT, Jira, Scrum methodology, Kanban methodology...

SEAT:CODE
Senior Software Engineer
July 2021 - June 2023 (2 years)
Madrid, Comunidad de Madrid, España

Analysis, design and development of backend services and infrastructures for mobile and web application for technical auditories execution and resolution action plans management.

Technologies:

Python3, Linux, Docker, Docker Compose, Kubernetes, Terraform, PostgreSQL, SQLAlchemy, GraphQL, Alembic, Graphene, AWS Cloud, Cognito, S3, Platform integration, Microservices, Code optimization, Project refactoring, GIT, Jira, Scrum methodology, Kanban methodology...

Sistrol - Edificios que funcionan
Senior Software Engineer
March 2021 - June 2021 (4 months)
Madrid, Comunidad de Madrid, España

Analysis, design and evolution of the WhyB and BMSLytics IoT based building analytics solution internal data processing pipelines, storages and services.

Technologies:

Python3, Linux, Docker, Docker Compose, MongoDB, Mongo Atlas, Elasticsearch, Kibana, AWS Cloud, Platform integration, Microservices, Code optimization, Project refactoring, GIT...

Profesional independiente
Software engineer
August 2020 - February 2021 (7 months)

buguroo - Deep Learning Fraud Prevention
Senior Software Engineer
September 2018 - July 2020 (1 year 11 months)

Analysis, design development, maintenance and evolution of the BugFraud biometrics analysis and online fraud prevention solution and services.

Design and development of the "Fraudster hunter" application, a solution for relational treatment of fraud information and advanced analysis assistance based on graphs representation.

Development of internal service tools for support assistance and customer support and for platform data systems query, validation and incidents resolution.

Technologies:
Python3, Linux, AsyncIO, Docker, Docker Compose, MongoDB, PostgreSQL, AWS, Cypher, Graph databases, AgensGraph, Javascript, vis.js, AG-grid, Platform integration, Microservices, Kafka, Code optimization, Concurrency, Coroutines, GIT, JIRA ...

Altair
IoT Core & Projects Engineer
August 2017 - August 2018 (1 year 1 month)

Design and development of the Carriots IoT platform.
Maintenance, improvement and development of new features, third party services integration and services optimization.

Development of external IoT projects from the analysis stage to the product delivery.

Technologies:
Python3, C, Linux, AsyncIO, SQL, M2M, MongoDB, MQTT, RabbitMQ, RFID, Platform integration, Code optimization, Concurrency, Coroutines, GIT ...

Carriots IOT (Internet of things)
IoT Projects Engineer

February 2016 - August 2017 (1 year 7 months)
Madrid, Comunidad de Madrid, España

Analysis, design and development of systems and embedded software for company projects and prototyping of IoT (Internet of Things) solutions.

Technologies:

Python, C, Robotics, RaspberryPi, Linux, SQL, M2M, MQTT, Electronics, Arduino, LoRaWAN, Sigfox, GIT ...

IGAE (Spanish General State Comptroller)
Program Analyst
March 2015 - February 2016 (1 year)
Madrid, Comunidad de Madrid, España

Development and maintenance of internal web applications for state budgetary control and management.

Technologies:

Java, JavaScript, JSP, Struts, Spring, Oracle, maven, Eclipse, SQL, Weblogic, Selenium, SVN ...

ConwetLab (Computer Networks and Web Technologies Laboratory) FI UPM
Program Analyst
February 2012 - September 2014 (2 years 8 months)
Boadilla del Monte, Comunidad de Madrid, España

Analysis, architecture design and Python development of an automated multiprotocol monitorization system for optical fiber communication networks in collaboration with Teldat - Fibernet company.

Technologies:

SNMP, Monitoring, Automation, Python, Networking, Process messaging, Concurrency, Workload management, Computation distribution, Parallelization...

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Education

Universidad Politécnica de Madrid
Superior Engineering (Master equivalent). (BSc + MSc, EQF7), Computer Science · (2013)

Universidad Rey Juan Carlos

Higher Degree Course in Drone Programming, Robotics, Programming and Artificial Intelligence · (2015)

Universidad Rey Juan Carlos

Higher Degree Course in Advanced Drone Programming, Robotics, Programming and Artificial Intelligence · (2015)