

SUMMARY

Recently graduated Bionics Engineer with experience in backend software development using Java and Spring Framework, specialized in creating scalable microservices and robust web applications. With a strong focus on product quality and agile team collaboration, I am eager to continuously learn and adapt, driven by a deep passion for technology. I am looking to join your team to contribute to the development of technological solutions that impact millions of users globally.

WORK

Java Developer at BBVA / Mexico City, Mexico | February 2023 – June 2024

Developed custom backend solutions in Java using Spring Framework, focusing on relational database management in SQL.

Actively contributed to the "Youngsters" project by integrating the LinkCard account service into the app, enhancing functionality and user experience.

Collaborated in a Scrum team for the planning, implementation, and deployment of features, using Jenkins for continuous integration and Docker for environment management.

Participated in document safeguarding in SEIRI, optimizing the bank's document database to ensure integrity and availability.

Jenkins Maven Spring Framework (APX) JBPM
SCRUM

Backend developer Junta de Andalucía/ Seville, Spain | Jan 2021 – May 2022

Led the development of microservices and web services (RESTful/SOAP) using Spring Framework, enabling the modularization and scalability of government applications.

Maintained and optimized web pages to ensure high performance and user satisfaction, implementing agile development practices.

Implemented continuous integration solutions with Jenkins and code quality control with SonarQube.

Deployed applications using Docker, ensuring consistent and efficient environments.

Managed databases in MySQL, Oracle, PostgreSQL, and MongoDB, ensuring data integrity and availability.

Java 17/11/8/6 Spring Framework Angular 17
Docker SQL NoSQL

SKILLS

Languages: Java, Python, C++, C, JavaScript, HTML, CSS, Bash, TypeScript

Tools: Spring, PyTorch, OpenCV, NumPy, Pandas, Flask, pytest, MQTT, Docker, Jenkins, Terraform

Databases: MySQL, Oracle, PostgreSQL, MongoDB

Operating Systems: Linux, Windows

Cloud Technologies: GCP, AWS

OTHER PROJECTS

- **"Youngsters" Project | BBVA** Integrated the LinkCard service into the "Youngsters" project application, significantly improving account functionality for young users.
- **Microservices Development | Junta de Andalucía** Designed and developed microservices that enabled the modularization and scalability of critical applications, improving efficiency and reducing response times.

EDUCATION

CECyT 1 "Gonzalo Vazquez Vela" - 2018

Digital systems technician

Thesis

Key modules: maths, physics, programming and electronics

UPIITA - Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas IPN 2024

Bionics Engineering, Bachelor's Degree

Thesis HYDROPONIC PLANT ACCLIMATIZATION CHAMBER

Key modules: Object-Oriented Programming, Artificial Intelligence, Pattern Recognition, Signal Processing, Data Science



ACHIEVEMENTS AND RECOGNITIONS

ScrumDev Certification | (827135) - Certified in Scrum agile methodologies, applied in software development projects at BBVA and Junta de Andalucía.



ACTIVITIES / INTERESTS

Volunteering: Volunteer tutor teaching topics such as Java programming, C programming, Calculus

Continuous Learning: Completing courses in Oracle Cloud Infrastructure to expand knowledge in cloud solutions.

Extracurricular Activities: Chess enthusiast and active contributor to open-source projects.