

GUILLERMO BERNAL

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SUMMARY

Software Developer with hands-on experience in modern web technologies, focusing on React and Next.js, and a passion for digital aesthetics using tools like Three.js and GSAP. Skilled with databases (MongoDB, SQL) and experienced working with cloud services on AWS. I also have experience in artificial intelligence and computer vision, supported by a solid foundation in machine learning and data science, using Python mainly. Motivated by continuous learning and technical problem-solving, I quickly adapt to diverse environments and projects.

EDUCATION

B.S. in Computer Science & Engineering Oct 2024 – Present
National University of Distance Education (UNED), Spain

Relevant Coursework: Highest Honors in Digital Logic Design. High Distinction in Data Structures and Programming Strategies, Theory of Computation, Programming Fundamentals, Operating Systems and Database Systems.

Higher Technician in Cross-Platform Application Development Sep 2023 – Jun 2025
Nuestra Señora del Pilar Salesianos, Zaragoza, Spain

- Git, Angular, React, SpringBoot, Java, .NET, MongoDB, Bootstrap.

GPA: 9.7/10, Highest Honors

Certified Professional in Web Application Technologies Feb 2023 – Jul 2023
Efor Internet y Tecnología, Spain

- PHP, JavaScript, SQL and TypeScript.

GPA: 10/10

Deep Learning Specialization Mar 2024
DeepLearning.AI (via Coursera)

- Built and trained CNNs, RNNs, LSTMs, and Transformers.
- Applied Deep Learning to speech recognition, music synthesis, chatbots, machine translation, and NLP.

User Experience Specialization Dec 2023 – Mar 2024
Google / Coursera

- Proficient in UX research, wireframing, and prototyping with Figma.
- Designed user-centered UIs and improved usability for web applications.

EXPERIENCE

Development Trainee March 2025 - Present
Numérico Zaragoza, Spain

- Leveraged Three.js to incorporate dynamic 3D elements into the frontend, enhancing visual storytelling and user engagement.
- Led the implementation of AI solutions for both company and client projects
- Contributed to web applications using React, Next.js, and CMS architectures like WordPress or Strapi
- Developed advanced, custom CSS solutions to achieve precise visual designs and interactions
- Built integration connectors to improve and accelerate product import workflows

Web Developer*Fortec, Formación y Tecnología*

June 2024 - July 2024

Zaragoza, Spain

- Developed and optimized PHP scripts to analyze, sanitize, and improve database performance.
- Designed and executed complex SQL queries, including stored procedures and functions, to streamline data processing and reporting.
- Created entity-relationship diagrams (ERDs) to document and enhance understanding of existing databases, facilitating onboarding for new team members.

ADDITIONAL INFORMATION

- Winner of the AWS DeepRacer Championship in Aragón, 2nd place in the AWS Jam Aragón, 3rd place in the AWS National Jam, and finalist in the AWS DeepRacer National Championship.
- Native Spanish speaker, fluent in English, intermediate proficiency in German, and basic knowledge of Japanese.
- Creative mindset with a strong interest in art and design. Skilled in multiple musical instruments.
- Volunteer experience in various fields, contributing to different initiatives and community projects.