Daniel Álvarez Gil

Software Engineer.

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EXPERIENCE

Software Engineer. Paradigma

03/2024 – Present   *Madrid, Spain*

I focus on developing high-quality solutions with an emphasis on Big Data technologies, security, and scalability. I am working on enhancing the functionality of the client's Identity Provider (IDP) platform, while ensuring that the systems I develop are efficient, secure, and comply with best practices in data protection and identity management.

Responsibilities

- I am working on the IDP platform, focusing on authentication, access control and security. My work involves designing and developing solutions that adhere to best practices in data protection and IAM, ensuring the highest level of security and resilience for the client's systems. (Technologies: Spring Boot, Java 17, Go, Vue.JS, Consul, Nomad, Vault).

- I have applied Big Data tools and cloud services to design and optimize data infrastructures, ensuring efficient data pipelines and seamless integration across multiple data sources. I have implemented ETL pipelines and optimized data processing to handle large volumes of data, enabling data-driven decision-making within the organization. (Technologies: Scala, Spark, Impala, SQL Server).

Software Engineer. Autentia

09/2019 – 03/2024   *Madrid, Spain*

Software Engineer specializing in event-driven architectures, DDD, TDD, microservices and scalable software development. Passionate about building high-quality software that aligns with business needs while ensuring performance, security, and maintainability.

Responsibilities

- Developed a SaaS platform using event-driven architecture ensuring software scalability and business alignment. (Technologies: Spring Boot, Kafka, AsyncAPI, Java 17, Grafana).

- Built and optimized architectures with design patterns and best practices, ensuring robust and maintainable systems. (Technologies: Micronaut, Kotlin, SQS, Grafana).

- Lead a team of 5 engineers, ensuring effective task execution, strategic planning, and alignment with business objectives, driving successful project outcomes. (Technologies: Spring, Java 7, Redis, Kibana, SOAP).

- Implemented load testing and performance optimizations to enhance system resilience under high demand. (Technologies: Python, JMeter, Bamboo).

EDUCATION

Master Degree in Artificial Intelligence. Universidad Internacional de Valencia

10/2020 - 09/2021   *Valencia, España*

B. Sc. in Computer Engineering & Science. Universidad Politécnica de Madrid

09/2016 – 10/2020   *Madrid, España*

Technician in Multiplatform Applications Development. I.E.S Juan de la Cierva

10/2014 – 06/2016   *Madrid, España*

PERSONAL PROJECTS

Healthy Smart Chatbot. (04/2021 - 09/2021)

(TFM) Smart chatbot with NLP techniques and supervised learning to recommend diets based on the user's requirements.

UAV governance system for people with motor limitations. (05/2020 - 09/2020)

(TFG) Design and manufacturing of a PCB, integration of sensors and software development to carry out movements in a drone where the user may have some motor limitation.

LANGUAGES

Spanish	Native
English	B2 Level