

Juan Dorado

Senior Backend Engineer

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SUMMARY

Senior Software Engineer with 25+ years of experience delivering mission-critical software solutions. Expert in **Backend Architecture**, **Distributed Systems**, and **Database Design**. Proven track record in building high-scale systems using **Event-Driven Architectures** and **Event Sourcing**. Specialist in bridging complex server-side logic with modern, scalable infrastructures to support millions of users.

EXPERIENCE

ysura GmbH | Senior Backend Developer

Nov 2021 – Present | Munich, Germany (Remote) Context: Developed a customized CRM platform for information management in the pharmaceutical sector.

- Engineered high-availability Java/Spring Boot APIs using **Event Sourcing (Axon Framework)**, ensuring 99.9% availability and full auditability of critical data.
- Optimized backend architecture with advanced Design Patterns, reducing resource consumption by 25% and achieving response times under <200ms.
- Redesigned and tuned PostgreSQL database schemas, accelerating key data retrieval queries by 40%.
- Implemented Docker, CI/CD pipelines, and established system monitoring with Prometheus/Grafana in Agile environments.
- Collaborated on the React.js frontend development for a medical communication app, helping to improve user collaboration workflows by 30%.

Deimos Space | Senior Backend Developer

Jul 2019 – Nov 2021 | Málaga, Spain Context: Project for National Railway Network (real-time traffic management & status platform).

- Developed high-throughput Java/Spring Boot APIs, using **RabbitMQ** for asynchronous communication between microservices to process thousands of requests/sec.
- Architected data storage solutions using **MongoDB** to manage terabytes of historical and live railway data with millisecond-access speeds.
- Orchestrated containerized microservices on **OpenShift (Kubernetes)**, optimizing auto-scaling policies to reduce infrastructure costs by 40%.
- Built Angular/Electron web applications for operators and travelers, helping to improve operational efficiency by 90%.
- Streamlined deployment time by 75% through CI/CD implementation and led code reviews that cut post-production defects by 50%.

rindus GmbH | Senior Software DeveloperP

Oct 2017 – Jul 2019 | Málaga, Spain Context: Software development for international clients across multiple industries (Nearshore model).

*Designed scalable software solutions for international clients, ensuring high maintainability and code quality. *Collaborated with international stakeholders to translate complex business requirements into functional architectures. *Implemented Docker containerization strategies to standardize development environments.

- Championed Agile methodologies (Scrum) to ensure efficient project delivery and rapid iteration cycles.

Caterpillar Inc. | Senior Backend Developer

Nov 2016 – Oct 2017 | Málaga, Spain Context: Development of a high-performance data ingestion system for global customer operations.

- Developed and maintained critical Java Spring Boot services to collect daily operational metrics from a distributed customer base.
- Managed complex data structures using SQL Server, ensuring data integrity and fast retrieval for reporting tools.
- Implemented user interfaces using HTML / CSS / JavaScript to visualize product status and operational dashboards.
- Collaborated closely with remote teams, ensuring code quality and adherence to strict industrial standards.

Consulting & Development Projects | Java Software Engineer

Apr 2008 – Nov 2016 | Madrid & Málaga, Spain Delivery of web solutions for diverse clients in Madrid and Málaga.

- Successfully executed multiple software development projects acting as a Full Stack Developer across different consultancy firms.
- Built and maintained robust web applications using Java (J2EE/Spring) for backend logic and Oracle/SQL for data persistence.
- Implemented user interfaces using HTML, CSS, and JavaScript, ensuring functional and responsive designs for end-users.
- **Key Value:** Demonstrated high adaptability to different business domains, methodologies, and team structures while consistently delivering quality code.

Santander Bank | Team Lead / Senior Java Analyst

May 2000 – May 2008 | Madrid, Spain Context: Development of an internal Treasury Web Application used by Sales, Risk and another banking departments.

- **Career Progression:** Started as a Java Analyst and was promoted to Team Lead for the final 2 years, managing a squad of 5 developers.
- Led the full software lifecycle (SDLC) including analysis, design, implementation, and production deployments of critical financial features.

- Managed critical incident resolution in production, ensuring minimal downtime for banking operations.
 - Developed robust transactional logic using Java J2EE and Oracle, ensuring data integrity across complex banking workflows.
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EDUCATION

- **Bachelor's Degree in Computer Engineering** | UNED (2012 – 2022)
 - **Studies in Computer Engineering (Management)** | Universidad Politécnica de Madrid (1995 – 2000)
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SKILLS

- **Core & Backend:** Java (Expert), **Go (Golang - Basic/Learning)**, Spring Boot, **Event Sourcing (Axon)**, **Event-Driven Architecture**, Microservices, REST & GraphQL, Design Patterns (SOLID), Clean Code.
 - **Data & Infrastructure:** **RabbitMQ**, PostgreSQL, MongoDB, Oracle, **Docker & Kubernetes (OpenShift)**, AWS, CI/CD Pipelines, Prometheus & Grafana.
 - **Frontend:** Angular, React.js, TypeScript, Electron.
 - **Methodologies:** Agile/Scrum, GenAI Tools (Copilot, Claude Code).
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LANGUAGES

- **Spanish:** Native
- **English:** Full Professional Proficiency