Javier Pardo Fernández

Software Engineer

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📍 Oslo, Norway

SUMMARY

Full-stack engineer (backend-to-edge) building scalable, data-heavy systems.
Lead on Roadguard's tire safety platform: millions of images/sensor events daily, 99.9% uptime.
Ex-Bio-Me: architected distributed pipelines/cloud infra, boosted throughput and reliability.

EXPERIENCE

Software Engineer
Roadguard AS ↗
03/2025 - Present

Lead UI/data platform for roadside tire safety; real-time video/ANPR, Go2RTC+Caddy streaming; auth/SSO/BFF (Keycloak); 10TB+ data, 99.9% uptime.

Software Engineer
Bio-Me - Microbiome profiling ↗
10/2023 - 03/2025

Architected data/analytics platform; +20% pipeline throughput, −35% storage; led workflow automation and intern mentoring (16 features shipped).

Junior Software Engineer
Bio-Me - Microbiome profiling ↗
10/2021 - 10/2023

Built distributed pipelines (+200% efficiency, −31% storage); added operational tooling/automation; strengthened automated testing.

Transportation Engineer Technician
Caltrans ↗
09/2020 - 03/2021

Automated infra monitoring/QA pipelines; added compliance dashboards; documentation ~25% faster.

Electrical/Computer Engineering Tutor
California State University Chico ↗
08/2018 - 12/2019

+100 students helped. Taught architecture/DSA/embedded; workshops lifted student performance ~17%.

Software Engineer Internship
AI Talentum ↗
06/2016 - 08/2016

Built Twitter data ETL/analytics; realtime pipelines for ML use.

EDUCATION

Project Management
Universitat de Barcelona - Master's degree
03/2023 - 03/2024

Average: B

Data Science
UC Berkeley - Bootcamp
11/2020 - 06/2021

Average: A

Computer engineering

California State University Chico - Bachelor's degree

- Minor in Computer Science & Physics
- Tau Kappa Epsilon, Theta Pi Chapter - Founder
- Invited to the Engineering Honor Society (Tau Beta Pi)
- Tau Beta Pi, Alpha Alpha Chapter - IT Manager & Corresponding Secretary
- 3 times Dean's List award

Average: B

SKILLS

Fast Api	Advanced	CD/CI	Advanced
React	Advanced	Testing	Advanced
SQL	Advanced	Algorithms	Advanced
Docker	Advanced	Julia	Intermediate
Kubernetes	Advanced	C	Intermediate
Cloud Computing	Advanced	C++	Intermediate
Git	Advanced	NoSQL	Advanced
ETL	Advanced	Data Analysis	Intermediate
RESTful API	Advanced	System Design	Advanced

LANGUAGES

Spanish	Native	French	Intermediate
English	Fluent		