

# Pau Rostoll Fuset

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## Personal portfolio - <https://prosfus.vercel.app/>

The purpose of this portfolio is to showcase developments I have previously worked on in a more visual way, also including a brief explanation and the technologies used.

## Experience

### Frontend Engineer - DialApplet

September 2022 - Present

Architecture and development of a scalable real-time web application for massive communication management and contact center operations.

**Tech stack:** React, TypeScript, WebRTC, Redux, Zustand, Spring Boot, MongoDB, Jira, Gitlab.

- Worked closely with the design and product team to build reusable components.
- Focus on renders optimization to handle a large volume of dynamic real-time data.
- Developed audio and video calling feature with WebRTC.
- Collaborated with the backend team to develop and maintain RESTful APIs using Spring Boot and MongoDB.

## Education

### Master's Degree in Cloud and High-Performance Computing - Universidad Politécnica de Valencia

September 2023 - June 2024

**Tech stack:** AWS, Docker, Kubernetes, Azure, Go, C.

**Master thesis:** Serverless Computing Platform in React.

- New UI for OSCAR, an open-source platform to support the event-driven serverless computing model for data-processing applications. It is used by multiple European projects.

<https://github.com/grycap/oscar-dashboard> - <https://dashboard.oscar.grycap.net/>

### Bachelor's degree in computer engineering - Universidad Politécnica de Valencia.

September 2019 - June 2023

Specialized in **Information Technology**.

**Final Degree Project:** Videocalls web app using React, WebRTC and NestJS.

## Personal Projects

[truconline.com](https://truconline.com) - Truc Valenciano online

**Tech stack:** NextJS, Convex.dev, Shadcn.

- Developed and designed a full-stack, real-time multiplayer web application for the traditional card game "Truc".
- Implemented a reactive backend and database management using Convex to ensure seamless real-time state synchronization between players.
- Managed the end-to-end production lifecycle, including domain configuration, deployment, and infrastructure management.