Carlos Sanchez Marin

carlos@sanchez.kr | linkedin.com/in/csanchezmarin | github.com/Casamatechs

EXPERIENCE

Backend Engineer
Oct 2023 – present
Remote.com
Anywhere around the world

- Contributed to **ship new integrations** between Remote's platform and different partners, **leading the development** of some of them
- Troubleshooted a wide range of issues between our clients accounting platforms and our integrations, **improving user experience and our reporting processes**
- Collaborated in **blending Remote's accounting integrations into our billing flows to make the experience seamless and more consistent** for our users

Lead Software Engineer
Feb 2023 – Oct 2023
Onoma AI
Seoul, South Korea

- Lead developer of full-stack **serverless applications (Next.js)**
- Lead and main contributor to a promotional app that feeds a proprietary text2image AI with prompts generated by ChatGPT
- Redesigned the cloud infrastructure of our main product **cutting AWS costs by more than 70% while enhancing our data privacy protocols**
- **Mentored a junior Frontend Engineer**, and guided interns when they were stuck with their assigned tasks

Data Science Intern
Mar 2021 – Nov 2021
DAF Trucks NV
Eindhoven, The Netherlands

- **Analyzed raw data from over 60,000 connected trucks** and corrected measurement errors applying statistical analysis
- Developed different **deep learning models with Tensorflow** to forecast trends in vehicle's data
- **Collaborated with different departments within DAF** to improve the deep learning models and presented the results at the end of the internship

Researcher
Jan 2019 – Jun 2020
Universidad Politécnica de Madrid
Madrid, Spain

- Developed a **tool for visual composition of SQL and real-time queries** on Angular
- Developed web services to connect different web applications with backend services
- Developed new **components and features for a Complex Event Processing** engine on Java, including real-time data ingestion and export
- Developed scripts to automatize the installation and deployment of different Complex Event Processing platforms
- Developed automatization tools for the **benchmarking of a Complex Event Processing engine running on edge devices**

Software Engineer
Jan 2018 – Jan 2019
Vipera Iberica SL
Madrid, Spain

- Developed Java plugins for the backend of a banking application using the Apache Felix framework
- Developed an **Enterprise's credit card management mobile app** using the Ionic Framework
- Co-developed as my Bachelor's final degree project a plugin to aim the clients with a native SDK for iOS, Android and Cordova in case they wanted to integrate the company's card managing solution in their apps instead of using the end-to-end solution offered by Vipera

Research Intern
Jul 2016 – Apr 2017
Universidad Politécnica de Madrid
Madrid, Spain

- Developed **scalability functionalities for a Complex Event Processing engine** using the Apache Zookeeper library
- Developed a set of benchmarks to test my solution using Python and Bash to auto-generate the datasets

Education

Eindhoven University of Technology Eindhoven, The Netherlands
Exit year of Master in Data Science in Engineering, Minor in ICT Innovation *Feb. 2023*

Aalto University Helsinki, Finland
Summer School: Ravaging Disruptions in Retailing *Aug. 2020*

Universidad Politécnica de Madrid Madrid, Spain
Entry year of Master in ICT innovation: Data Science track *Jun. 2020*

Universidad Politécnica de Madrid Madrid, Spain
Bachelor of Engineering in Computer Engineering *Feb. 2019*

Troy University Troy, AL, USA
Exchange student on Bachelor of Science in Computer Science *Fall 2017*

Technical Skills

Languages: Elixir/Phoenix, TypeScript, Java, Python, Scala, C, SQL, JavaScript, HTML/CSS, R
Data Science tools: Pandas, Tensorflow, numpy, tidyverse
Web Frameworks: Next.js/React, Vue.js/Nuxt, Angular
Developer Tools: Git, Maven, Gradle, npm, Docker, AWS

Soft Skills

Teamwork, Analytical thinking, Autonomous learning