Cristián RAMÓN-CORTÉS VILARRODONA

Ph.D. in Computer Architecture Computer Sciences Engineer Industrial Engineer

Birthdate: 19th October 1990

Birthplace: Barcelona, Catalonia, Spain



I cannot recall the day I became passionate about informatics, but I have always felt that there was something more. The Barcelona Supercomputing Center (BSC) introduced me to the Java world (which I am still very fond of) and allowed me to contribute to the design and development of programming models for Distributed Computing, High Performance Computing (HPC), and Big Data Analytics (BDA). However, Dynatrace has provided me with the opportunity to pursue my true passion through a combination of people management and product delivery. I will never stop learning, but so far I am growing as a leader who values communication, respect, honesty, fairness, and effort above all.

PERSONAL INFORMATION

☐ Phone: +34 687 860 612

E-mail: cristianrcv@gmail.comWebsite: cristianrcv.netlify.app

in LinkedIn: linkedin.com/in/cristian-ramon-cortes

GitHub: github.com/cristianrcv

StackOverflow: stackoverflow.com/users/6018655/cristian-ramon-cortes

ORCID: orcid.org/0000-0003-4170-818X

EXPERIENCE

Today | Team Lead, DYNATRACE, Spain

June 2022

I provide guidance to the group and conduct 1on1's, career plans, 360-feedback, and performance reviews. Also, I help to define the product road-map for our component, maintain the backlog, agree priorities with stakeholders, and drive many agile meetings.

 Java (React) (Leadership) (Performance Reviews) (Engineering Management) (Coaching and Mentoring)

 Decision-making (Communication) (Delegation)

June 2022 October 2020

Senior Software Engineer, DYNATRACE, Spain

My efforts are focused on processing and aggregating session data for real user monitoring, and developing the next generation storage for behavioural analytics.

Java Kotlin React NodeJS Bash Cassandra ElasticSearch Spark Jupyter Spring Docker
Helm ArgoCD Terraform Gradle IntelliJ

October 2020 May 2017

Software Engineer, BARCELONA SUPERCOMPUTING CENTER (BSC), Spain

Software Engineer for the Workflows and Distributed Computing group (WDC) at the Barcelona Supercomputing Center (BSC) working in collaboration with the Computer Architecture Department (DAC - UPC). My main tasks were:

- > Orchestration of Data Science workflows
- > Automatic parallelisation of affine loops in Python
- > Integration with Container technologies (e.g., Docker, Singularity, Mesos)
- > Distributed execution of Hybrid Workflows composed of Task-based Workflows and Dataflows
- > Integration of Streaming Technologies (e.g., Kafka) inside COMPSs

Java Python Bash C++ Maven Eclipse IntelliJ

May 2017 February 2016

Junior Developer, BARCELONA SUPERCOMPUTING CENTER (BSC), Spain

Junior Developer at the Workflows and Distributed Computing (WDC) group at the Barcelona Supercomputing Center (BSC). My main tasks were to enhance the infrastructure and deployment of COMPSs, and to design and implement several features inside its Runtime.

Java Python Bash Maven Eclipse Jenkins DEB packages RPM packages

February 2016 April 2014

Resident Student, BARCELONA SUPERCOMPUTING CENTER (BSC), Spain

Resident Student at the Grid Computing group at the Barcelona Supercomputing Center (BSC). My main tasks were to build a testing infrastructure for COMPSs and to re-design its Monitoring component.

Java Python Bash Maven Eclipse Jenkins ZK Framework Apache Tomcat

December 2013 September 2011

Teacher in a Student Advise Service, ACADEMIA SOL, Spain

Teacher of Bachelor and Master of Engineering students (ETSEIB, EUETIB, and FIB) at the Academia SOL. The goal was to provide academic review and reinforcement in a simpler and closer way than the university professors. Taught subjects: Heat Transfer, Mathematics, Theory of Computation, Informatics (1 and 2), and Programming 2.

Python C++ Bash Lazarus Public Speaking

EDUCATION

2020 Doctor of Philosophy (Ph.D.) in Computer Architecture.

Thesis Title: Programming models to support Data Science Workflows

Mark: Excellent Cum Laude

Computer Architecture Department (DAC) Universitat Politècnica de Catalunya (UPC)

2017 Master of Science in Innovation and Research in Informatics (MIRI).

Specialised in High Performance Computing (HPC)

Universitat Politècnica de Catalunya (UPC)

2014 Diploma in double Bachelor and Master of Engineering

Centre de Formació Interdisciplinaria Superior (CFIS)

Universitat Politècnica de Catalunya (UPC)

2014 Bachelor and Master of Engineering in Industrial Engineering

Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB)

Universitat Politècnica de Catalunya (UPC)

2014 Bachelor and Master of Engineering in Computer Sciences

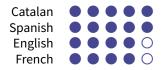
> Facultat d'Informàtica de Barcelona (FIB) Universitat Politècnica de Catalunya (UPC)

2008 Primary, Secondary, and General Education

AULA Escola Europea

LANGUAGES

PROGRAMMING LANGUAGES



STRENGTHS

- > Organised, methodical, and responsible
- > Perfectionist, demanding, and ambitious
- > Passionate, curious, and motivated
- > Ease of learning
- > Autonomous and teamwork
- > Management and communication skills

