

Daniel Enrique Caro Peñaloza

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Telematics Civil Engineer from Universidad Técnica Federico Santa María, with experience in the full software development lifecycle.

Work Experience

- **AIM Manager**
Senior Software Engineer

Las Condes
March 2019– June 2026

Implement modules for a SaaS platform that helps shopping centers manage their operations. Developed with microservices in Spring Boot, Quarkus, Kafka, GCP Pub/Sub, and using KONG and GCP API Gateway. Active participation in the modeling and implementation of various modules, and generation of libraries for internal use.

 - Design and implement APIs, library wrappers, and various integrations.
 - Implementation of a centralized notification module and its usage libraries, with support for SSE, Push Notifications, inbox with read tracking, and email.
 - Implementation of a BPMN engine to be used within the platform.
 - System to store and audit user events and actions, and changes to relevant system entities.
- **Dhemax Ltda**
Freelance Developer and Consultancy

Viña del Mar
June 2023 – May 2024

Implementation of the OCPI (Open Charge Point Interface) standard, a protocol used for roaming and interoperability of electric vehicle chargers. Support in the implementation of best practices in development flows and production deployment. Design of a DRP (Disaster Recovery Plan), considering AWS cloud and infrastructure as code using Terraform.
- **Modyo Chile**
Senior Software Engineer and Scrum Master

Vitacura
March 2018– February 2019

Manage, advise, and carry out new initiatives for companies using the ModyoDX digital platform. Among the companies were Sencillito.com and the Copec mobile payment application.

 - Design and implement APIs for B2B payment integration with external companies.
 - Develop a portal for branch agents with transaction and closing information.
 - Functionality to accept discount codes.
 - Implement integration services for a new REST API and backward compatibility with the TCP sockets version.
- **IICMT**
Software Developer

Ñuñoa
June 2017 – March 2018

Design and implement an IoT platform for the management and automation of environmental variables for home gardens. Platform developed using C++ (Qt) on the devices and remote control using Java, sockets, and non-relational databases.
- **Uptime SA**
Software Architect and Data Analyst

Las Condes
September 2014 – May 2017

Design and implementation of a real-time indicator platform for mining operations, using data from their operational and reporting systems.
- **deLaGuayaba**
Software Developer

San José, Costa Rica
June 2014 – August 2014

Design and develop a platform for project management with dynamic workflows.

- **Uptime SA** **Calama**
Support Engineer and Supervisor *April 2012 – June 2014*
 Support, integration, and technical team management, mainly focused on the 24x7 operation of the mining dispatch system at Codelco Norte (Chuquicamata, Ministro Hales, and Radomiro Tomic).
- **CTH Chile** **Viña del Mar**
Software Developer and Analyst *October 2010 – February 2012*
 Develop software to support medical equipment maintenance planning.
- **Dhemax Ltda** **Viña del Mar**
Software Developer and Technical Lead *March 2007 – December 2009*
 Develop a telemetry platform (electricity consumption) and implement a biometric access control PoS.

Education

Academic.....

- **Universidad Técnica Federico Santa María** **Valparaíso**
Telematics Civil Engineer, Department of Electronics. *2003–2011*

Courses and Seminars.....

- **Introduction to GDPR: General Data Protection Regulation** **Online**
FutureLearn, University College London *September 2020*
- **IoT Summit 2017** **Santa Clara, CA**
isQED, International Symposium on Quality Electronic Design *March 2017*
- **The Data and Design Series 2017** **San Francisco, CA**
CASCADE, San Francisco. *June 2015*
- **Cluster Analysis in Data Mining JVZQ6VTSD3** **Online**
Coursera.org, University of Illinois at Urbana-Champaign *June 2015*
- **Pattern Discovery in Data Mining DRZB9KQ4RX** **Online**
Coursera.org, University of Illinois at Urbana-Champaign *April 2015*
- **Process Mining: Data science in Action U8P93CQU9A** **Online**
Coursera.org, Eindhoven University of Technology *May 2015*

Competencies and Skills

- **Programming Languages:** C, C++, Java, Kotlin, TypeScript, Ruby, JavaScript, Bash, Elixir, SQL, and R.
- **Tools:** Office, Linux, Docker, Kubernetes, Terraform, GCP, AWS, Keycloak, Kafka, and Git.
- **Frameworks:** Spring Boot, Angular, Quarkus, RX, Vue.js.
- **Other:** Experience working on-site and managing multidisciplinary teams.

Interests

- Outdoor sports such as Mountain Biking, trekking, skiing, and surfing.
- Interest in human behavior, sociology, and cognitive biases.

References

- Carlos Contreras (carlos@aimmanager.com) +56 2 587 1810
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