

Segundo Molina Abeniagar (he/him)

Electronic Engineer

Linkedin: [linkedin.com/in/segundoma](https://www.linkedin.com/in/segundoma)

Github: github.com/segunmo

email: segundo.molina.abeniagar@gmail.com

Mobile: +54-911-3067-9107

EDUCATION

- **University of Buenos Aires - Faculty of Engineering** Buenos Aires, Argentina
Electric Engineering Degree
2015-2022
With an orientation in embedded systems and signal processing
- **University of Buenos Aires - Faculty of Engineering** Buenos Aires, Argentina
Specialization in Embedded Systems
2023-present

SKILLS SUMMARY

- **Programming Languages:**
 - **Java (5 years):** Spring, Hibernate, JUnit, JPA
 - **Python (3 year):** Pandas, SciPy, Numpy, Keras, Tensorflow
 - **JavaScript (5 year):** ReactJs, Jest, Cypress, NestJS
 - **C (3 years):** FreeRTOS
- **Tools:**
 - **Kubernetes, Docker, Git, Linux, Jenkins, SQL and NoSQL (mongoDB)**

EXPERIENCE

- **Kin + Carta** Buenos Aires
Software Engineering Consultant
February 2023 - present
 - **Java Cloud Engineer:** Consulting services for a US client in the financial sector. Developer of microservices in Java and lead developer of a cloud migration and modernization of applications.
- **Mercadolibre** Buenos Aires
Ssr. Software Engineering
August 2022 - February 2023
 - **Back End software engineer:** Developing micro-services in Java and Kotlin. Taking ownership of the full deployment workflow from design, to development and finally to deploy and continuous integration.
- **J.P. Morgan Chase** Buenos Aires
Software Engineering
July 2020 - August 2022
 - **Front End software development:** Worked in the development of a UI for an internal application, coded in JavaScript with React. Took ownership of the development of certain components including unit testing them with Jest and end to end testing with cypress.
 - **Back End software development:** Member of a development team working on an internal accounting application written in Java. Developed and took ownership of components of the application including component design and documentation, DDLs, Rest APIs, unit testing with JUnit and Mockito and end to end testing with Fitnesse, and deployment pipeline in a cloud environment.
 - **Project Technical Leadership:** Tech lead for a group of 6 developers in a volunteering project working with an NGO.
- **ABB S.A.** Buenos Aires
Sales Engineer
Jan 2019 - Jan 2020
 - **Industrial Automation Sales Engineer:** Helped with the implementation and followup of projects and spare parts analysis for clients in the energy industry.
- **LIPSIRN - FIUBA** Buenos Aires
Internship
Nov 2017 - Dec 2018
 - **Intern at Laboratorio de Investigación en Procesamientos de Señales e Imágenes en Redes Neuronales:** Helped develop software in Matlab and in Python with Tensorflow to test theories in the field of image processing with artificial neural networks and co-authored a paper.

COMPLEMENTARY EXPERIENCES

- **Certified Kubernetes Application Developer:** (CKAD) Prepared for and passed the exam to become a Certified Kubernetes Application Developer, using my knowledge to help advance my team's adoption of cloud environments.
- **Fundamentals of Data Science and Machine Learning:** A 12 weeks long course provided by Universidad de San Martín in partnership with JP Morgan Chase. Studied concepts from Exploratory Data Analysis, Regression and Classification to Artificial Neural Networks using Keras and Tensorflow
- **Open source projects:** Developer in open source projects Carbon-lang and IOT2Tangle.
- **Personal projects:** 1. Embedded system based on ESP32 used to monitor and control water flow of a hydroponic system with a Flutter based UI. 2. AI agent based on LangChain and chatGPT to query a store's stock via Whatsapp.