Sebastian Aranda Sanchez

Personal information

PLACE AND DATE OF BIRTH:	Santiago, Chile — 29 of October 1992
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GITHUB:	https://github.com/sebastian-aranda

Work Experience

2013-Now — Freelancer

I've developed a lot of websites (frontend and backend) for small business who wanted to boost their business. I've participated in the design, implementation and management of these systems.

2013-Now — Project Coordinator at ESCUELAS RECREAR, *Chile*

Co-founder and coordinator of the *Taller Arte de Magia* educational project, focused on groups of immigrant children of first cycle, in schools with high vulnerability rates.

Reference: Pablo Ortiz, president of the corporation, email: pablo@escuelasrecrear.cl

2017 — Research Assistant at CHIVO, *Chile*

I've developed an algorithm that process astronomy observations and detects chemical emissions on ALMA data cubes using a natural language processing machine learning algorithm. Also I collaborated in other projects related to the Chilean Virtual Observatory (ChiVO)

Reference: Marcelo Mendoza, UTFSM Professor, email: marcelo.mendoza@usm.cl

2018-2020 — Software Engineer at ENOVUS, *Chile*

I've developed a wide variety of systems: Performance Evaluation, e-Learning Management Systems (LMS); custom applications and web systems made for medium and big companies.

Reference: Fabio Droguet, IT area manager, email: fabio@enovus.cl

2020-2023 — Software Engineer at INRIA CHILE, *Chile*

I've participated in the development of the Tranque mining project, a monitoring system for tailings deposits for all mining companies of Chile. I've also lead the development of the astronomy and software project LOVE, a monitoring system for the operations of the telescopes of the Vera C. Rubin observatory.

Reference: Andres Vignaga, project area manager, email: andres.vignaga@inria.cl

2023-now — Fullstack Software Engineer at VERA C. RUBIN OBSERVATORY, *Chile*

I'm currently working as the main maintainer of the LOVE project after the successful completion of the Inria contract. Doing frontend, backend and devops work as well, by focusing on delivering good quality services and supporting the operations of the Observatory.

Reference: Andy Clements, telescope & site software manager, email: aclements@lsst.org

Education

Federico Santa Maria University (2011 - 2018)	COMPUTER SCIENCE
Federico Santa Maria University (2024 - 2025)	ARTIFICIAL INTELLIGENCE DIPLOMA

LANGUAGES

SPANISH:	Native
ENGLISH:	Advanced (day to day listening, writing and speaking)

TECHNICAL SKILLS

Basic knowledge: (ocassional use)	**Languages**: Java, C, C++, C#, Ruby, Latex, TypeScript. **Databases:** Mongo DB, Elastic Search, Cassandra, Neo4j. **DevOps:** Squid proxy, Chronograf, Grafana, Prometheus.
Advanced Skills: (day to day use)	**Languages**: Javascript, Python, PHP, SQL, HTML, JSON, YAML, XML. **Databases:** Postgres, MariaDB, Redis. **DevOps:** Linux, Git, Nginx, Docker, Kubernetes, Jenkins, Github Actions, Apache HTTP Server.
Frameworks:	Next JS, React JS, JQuery, Bootstrap, Tailwind, Material-UI, Shadcn Django, Django Rest Framework (DRF), Django Channels, FastAPI, Flask, Laravel, Ruby on Rails, Wordpress, Drupal, Jekyll, HUGO, React native, Android native, Apache Cordova, Arduino.
Technologies:	REST APIs, JSON Web Tokens, HTTP, Websockets, FTP, SSL, MQTT, TCP/IP, Modbus, SNMP, Arduino, RaspberryPi, NodeMCU. Jupyter notebooks.
Tools:	Github, Gitlab, XAMPP, LAMP, JIRA, Confluence, Docushare, Trello, ClickUp, Pytest, Vitest, Jest, Playwright, ESlint, Prettier, Flake9, Black, Rust, Mypy, Towncrier, minIO, AWS boto3, AWS CLI. ChatGPT, Gemini, Claude, Github Copilot.
Project Management:	SCRUM, Kanban.

INTERESTS

Universe, Nature, Astronomy, Technologies, Software Engineering, Programming, Artificial Intelligence (AI), Machine Learning (ML), Human Computer Interaction (HCI), Big Data, Internet of Things (IOT), Open-Source, Blockchain, Society, Diversity, Equity, and Inclusion (DEI), Education, Circular Economy, Recycling, Cycling, Hiking, Outdoors.