

Giacomo Debidda



giacomodebidda.com

[GitHub](#) / [LinkedIn](#) / [Stack Overflow](#)

giacomo@giacomodebidda.com / cal.com/giacomodebidda/30min

Professional Summary

Freelance full stack developer specialized in Node.js and Google Cloud Platform. Linux user for a long time (my distro of choice is [NixOS](#)), I have been writing software professionally for over ten years, and [blogging](#) about it since 2016. Some of the things I did are: data analysis / visualizations in [Python](#) and [JavaScript](#), web apps in TypeScript, [libraries in Zig](#), web performance audits for [eCommerce](#) and [news](#) websites. I like to give [talks](#) on the things I am learning or working on.

Work Experience

Freelance full stack developer @ self-employed (remote)

March 2020 - present

- Developed applications in Node.js on GCP, Fly.io and Cloudflare Workers (integrations for Stripe, HubSpot, Keap).
- Open sourced 50+ libraries for frontend (Eleventy), backend (Fastify, Hapi.js, Hono.js), databases (SQLite, Firestore), and released them on [npmjs](#).
- Experimented with [Clojure/ClojureScript](#), [WebAssembly](#) and [Zig](#).

Software developer @ Develer Srl (Campi Bisenzio, Italy)

September 2018 - March 2020

- Migrated a large Vue.js / Three.js application to React and Redux.
- Redesigned key components of the frontend architecture.
- Implemented REST API endpoints in Python (Flask) and Go (Gorilla).

Software developer @ Moticon GmbH (Munich, Germany)

February 2015 - December 2017

- Processed sensor data (ANT, Bluetooth Low Energy) in Python (numexpr, numpy, pandas).
- Implemented features for the company's desktop app. Backend in NW.js and Python (gevent). Frontend in CoffeeScript/JavaScript (D3, jQuery UI, WebGL).
- Implemented random forest classifiers (Scikit-Learn) for a European research project on Parkinson's disease.

Independent researcher @ MiE Medical Research Ltd (Leeds, UK)

September 2013 - December 2013

- Analyzed performance metrics of athletes in R (caret, knitr, ggplot2).
- Improved data quality using signal processing techniques, outlier removal algorithms and bootstrap resampling.

Clinical Engineering Intern @ Meyer Children's Hospital (Florence, Italy)

October 2012 - March 2013

- Carried out asset inventory management activities and site inspections (operating theaters, surgery units, medical laboratories, etc).
- Implemented VBA script to aid the technical department in tracking medical devices in the hospital.
- Supported the hospital in achieving Good Manufacturing Practices accreditation (technical standards ISO 14644 and ISO 14698).

Education

Certifications

- [Professional Data Engineer \(Google Cloud Platform\)](#)
- [Associate Cloud Engineer \(Google Cloud Platform\)](#)
- [Google Cybersecurity Certificate](#)

Academia

- Master in Clinical Engineering (Università di Firenze)
- MSc in Biomedical Engineering (Università di Pisa)
- BSc in Biomedical Engineering (Università di Pisa)

Relevant Coursework

- Data Analysis and Statistical Inference (Coursera)
- Database Systems Concepts & Design (Udacity)
- Google Cloud Database Engineer Specialization (Coursera)
- Machine Learning (Coursera)
- Preparing for Google Cloud Certification: Cloud Network Engineer Specialization (Coursera)
- Site Reliability Engineering: Measuring and Managing Reliability (Coursera)

Skills

Frontend: [Eleventy](#), React, [Web Components](#), Progressive Web Apps, D3.js, [WebGL](#).

Backend: [Fastify](#), [Hapi.js](#), Next.js, Platformatic, Cloudflare Workers.

Data: SQLite, Firestore, PostgreSQL, BigQuery, dbt, dlt, Apache Beam, Dagster.

Cloud: [GCP](#), AWS, Fly.io, Cloudflare.

Infra: Pulumi, Ansible, systemd.

Other: OAuth 2.0, WebAssembly, [RISC-V](#).

Hobbies

I am very much into [surfskating](#) and inline skating. I like to alternate between the two. I also go to the gym a few times a week, mostly for weight training.