

Resume

Flávio de Oliveira Stutz

flaviostutz@gmail.com · +55 (61) 99661-7044 · [linkedin.com/in/flaviostutz](https://www.linkedin.com/in/flaviostutz)

Software/Systems/Staff Engineer/SRE (23 years)

- **Hardware:** x86 (bare metal/virtual) (10y), ARM (Gunstix, RPi) (3y), Embedded (ESP8266/32, Atmega328) (2y)
- **Languages:** Golang (2y), Python/Jupyter (3y), Javascript/HTML/CSS (6y), NodeJS (2y), C++ x86/embedded (1y), Scala/Spark (6m), OpenCV (2y), React Native Android/iOS (6m), ReactJS (2y), Java (13y)
- **Platform:** Linux sysadmin (6y), Docker (5y), Kubernetes (2y), Networking/Security (6y)
- **Devops:** Github actions, Gitlab runners, Sonar, Git, Gitflow, Artifactory
- **Data:** Hadoop (1y), Kafka (1y), Sharded MongoDB (1y), MySQL (2y), Postgres (3y), S3 (2y)
- **ML:** TensorFlow/Keras (1y), ScikitLearn (1y), Kaggle competitor (1y)
- **Cloud:** Onpromise VMWare (2y), AWS (2y), Azure (1y), Digital Ocean (1y), cheap VPSs (5y)
- **Autonomous Systems:** PID, sensors, actuators, rf, telemetry, mission plan, ground station, simulators, hardware/software in the loop, autonomous take-off/landing
- 5 years as **SRE**. 7 years as **staff engineer**. 3 years **managing 5 staff engineers**.

Professional Experience

- **Banco do Brasil S.A** (2000-present): Designed or helped implement dozens of different public facing systems, internal web applications, security models and technological POCs. Currently manages the enterprise laboratory whose mission is to inspect technologies and new business for the company along with our customers.
- **Stutz Solutions** (2011-present): CTO. Consulting and custom technologies development. Today we have thousand of students using one of our platforms. 4 bootstrap startups with experience in electronics, CV, legal and education businesses.
- **Skylight Unmanned Aerial Vehicle** (2008-2010): development of autopilot, groundstation and hardware from scratch - 4° place at UAV Outback Challenge 2010 - <https://github.com/flaviostutz/skylight-uas>

Education

- Universidade de Brasília (UnB), Brasília, Brazil - **Physics** (2002-2007)
- ~20k hours of self education on electronics, control systems, architecture and computer engineering over the years