

Antoine Albertelli

Software Engineer

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Education

- 2016–2018 **MSc in Microengineering**, EPFL, Lausanne, GPA: 5.27 / 6
Master thesis: *R3P2: A Replicated Request Response Pair Protocol* with Pr. E. Bugnion from the Data Center Systems Laboratory.
- 2010–2014 **BSc in Microengineering**, EPFL, Lausanne, GPA: 4.70 / 6

Employment history

- 2019–current **Software Engineer, Site Reliability Engineering**, Google, Zürich
SRE is what you get when you treat operations as if it's a software problem. Our mission is to protect, provide for, and progress the software and systems behind all of Google's public services. I am in a team working on mobile communication products (SMS & RCS), providing connectivity to several hundreds of millions of Android users.
- 2015–2019 **Founder, Software Engineer**, WISE Robotics, Lausanne
Co-founded an engineering consultancy. We develop custom solutions in the fields of robotics and embedded systems (e.g. Internet of Things appliances). My main role is system design and software engineering, both on low power systems (micro-controllers) in C/C++ and desktop/servers applications in Python.

Activities

- 2008–2022 **Robotics contest**
I took part in the Eurobot contest with my team and we were qualified to take part in the world finals in 2009, 2013 and 2014. We also won the Swiss contest and the technical award in 2014.
Some of the technical challenges I worked on were the port of existing code to a new RTOS running on an FPGA, as well as the integration of an embedded TCP/IP stack. We recently switched to a distributed architecture (around 30 nodes in one robot) and I am currently working on making the new setup more stable as it caused us issues.
- 2007–Current **Roleplaying games**
I regularly play roleplaying games, both as a player and a game master. I helped organize introduction sessions geared toward people unfamiliar with the hobby.

Languages

French	Native speaker
English	Fluent
German	Active knowledge

Skills

Programming languages C, C++, Python, Go

Software development Git, Bazel, Jenkins, DevOps methods

Operations Linux, Docker, SaltStack, Google Cloud Platform, SRE

Work Interests

Software High reliability software, Test Driven Development, Continuous Delivery, Embedded software, Automation