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Born 1987
French Citizen,
Married, 3 children

What are we building today ?

Academics

2006 - 2010 **Ecole Polytechnique** *MS in Computer Science*

Entrepreneurial activity

2008 - 2009	beouifi.org <i>wifi captive portals funded by advertisement ; won an entrepreneurial contest. 100 users (cafés, hostels)</i>
2009	corefarm.org <i>built a 3d rendering farm for Blender 3D using the Yafaray engine, dispatching the work on a grid of personal computers. over 1000 users trading their CPU time</i>
2010	corefarm.com <i>3d rendering farm for Blender 3D in AWS. 100 users, commercial failure, opensourced</i>
2011 - 2013	besport.com <i>cofounded a sport social network, hired a team of 9 engineers, raised 1.2m\$. company relocated in Paris, still active</i>
2013 - 2014	rambugo.com <i>built an experimental marketplace for on-demand regional flights in Northern California using light aircraft. failed</i>
2015	social playbooks <i>built a non-profit social app connecting families and providers of children activities in San Francisco. regular activities were organized until we moved out</i>
2017	accret.io <i>the factory-as-a-service. reached poc stage, failed</i>
2019 - present	hivyleague.com <i>distributed apiaries on airfields, managed via an iPhone app and ELK-based dashboards</i>

Contracting activity

- 2010 - 2011 **hypios.com** led a team of 3 engineers, built a scientific problems marketplace connecting research centers and industrial users
- 2011 **issuu.com** designed and implemented an ad network in OCaml including real-time ad presentation and offline processing of 150M documents, handed over the code to the team in Copenhagen
- 2013 **stretchinc.com** designed and implemented a full stack prototype of a cloud based/html5 DVR, including embedded C code in HD cameras, AWS S3 storage and real time video re-encoding using ffmpeg
- 2013 **referrallama.com** designed and implemented a full stack prototype of a referral platform on top of LinkedIn
- 2013 - 2016 **sumologic.com** worked with the Search Performance team to design and implement a real time log ingest and search component that handles 5Tb+/day. designed and implemented a metrics collection and storage platform handling 2M dps from Kafka to Cassandra, deployed in AWS
- 2015 **lumity.com** built a full stack healthcare sales platform on top of Lumity's proprietary optimization engine
- 2016 **alloy.ai** built a prototype of metrics collection and search platform handling 1.5B events from Kafka to ElasticSearch, deployed in Kubernetes/GCE
- 2016 - present **logichub.com** detection, classification and prevention of security breaches at scale. working with US (both coasts) & India teams

Aeronautical Experience

- FAA CMEL + Instrument Rating, ultralight helicopter rating
- 780 hours TT, 480 multi-engine
- Certified piston aircraft maintenance and ultralight building experience

Talks

- 2010 **OCaml meeting 2010** « the collaborative rendering farm : a JoCaml grid », <http://bit.ly/1N5kRXU>

Skills

- Architecture : defining and managing the implementation of cloud-based products (AWS, GCE) using modern scheduling frameworks (Kubernetes)
- Implementation : fluent in Scala/Akka and SwiftUI. Toolbox includes C/C++/OCaml, React

Open source

- Wing leveler for GA aircraft, <https://github.com/accretio/wingleveler>
- Gripper for robotic arm, <https://github.com/accretio/thortools/tree/master/thorgripper>
- AWS OCaml client library, <https://github.com/williamlefferrand/aws>