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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** *wifi captive portals funded by advertisement ; won an entrepreneurial contest. 100 users (cafés, hostels)*
2009	**corefarm.org** *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*
2010	**corefarm.com** *3d rendering farm for Blender 3D in AWS. 100 users, commercial failure, opensourced*
2011 - 2013	**besport.com** *cofounded a sport social network, hired a team of 9 engineers, raised 1.2m$. company relocated in Paris, still active*
2013 - 2014	**rambugo.com** *built an experimental marketplace for on-demand regional flights in Northern California using light aircraft. failed*
2015	**social playbooks** *built a non-profit social app connecting families and providers of children activities in San Francisco. regular activities were organized until we moved out*
2017 - 2018	**accret.io** *the factory-as-a-service. reached poc stage, failed*
2019 - present	**hivyleague.com** *distributed apiaries on airfields. multiple sites around Toulouse*

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. oldest engineer in the company, working with US (both coasts) & India teams*

Aeronautical Experience

— FAA CMEL + Instrument Rating, French ultra light helicopter rating
— 780 hours TT, 480 multi-engine, one Atlantic crossing in 2017, some African experience
— Certified piston aircraft maintenance experience (turbo aztec)
— Ultralight building experience (mosquito xe285)

Talks

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

Skills

— Designing scalable architectures in AWS & other cloud providers
— Modern devops tools, including Kubernetes
— Hands-on development on large codebases spanning several teams across several timezones
— In-depth knowledge of Scala (including Akka), extensive experience with OCaml, C/C++, Python
— Simple hardware using arduino/rPi, 3d printed parts, fusion 360 & openscad

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/williamleferrand/aws`