Loïc Knuchel

Aspiring CTO

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I spent the last years working and thinking about how the tech industry works and I believe there are huge improvement areas. This is based on my own experience launching and working at several startups but also having had a lot of discussions with startup founders and tech leaders as well as researches highlighted in books such as *Accelerate* or *Drive*. I want to be in a position to build a strong engineering culture that will allow fast and safe product iterations, delivering more value to customers. This is why I'm now looking for a CTO position.

Work Experience

Zeenea (20 people SaaS startup) — *Team lead*   January 2019 to May 2020

Proud of: Built a strong cohesion in the dev team. I convinced one of my teammates to do a talk at scala.io with me. Got involved almost everywhere in the startup: hiring, product, culture, marketing, communication, customer success, and sales strategy.

- Hired as a senior developer and product expert, I led tech decisions so I was promoted as team lead in order to drive the 8 developers and let the CTO focus on client demos.
- Seconded the CTO in many aspects: hiring, roadmap, architecture, tech branding…
- Hired 4 developers and onboarded 6 of them (one was on career change).
- Initiated coding best practices guide, mob programming sessions, ADR… to share knowledge, reduce bugs, and speed-up feature delivery.
- Rewrote data migration tool: went from erroneous ones written in 1 month to easy ones
- Delivered successfully a UX rewrite.
- **Tech**: Scala, Scalatra, TypeScript, Angular, OrientDB, AWS

Criteo (french ad-tech unicorn) — *Full stack developer*   October 2016 to December 2018

Proud of: gave multiple scala training across Criteo R&D using my materials, projects I managed (DataDoc & Mumak) were great success: in production in less than 6 months, very little bugs, and new developers liked the codebase.

- Built Dataflow, a tool for 200 analysts to schedule data pipelines that support their reports
- Initiated DataDoc (a data catalog) after I discovered that analysts spend about 50% of their time looking for info on data. The year after, data governance became a priority.
- Acted as Scrum master in my 6 developers team.
- Mentored the Hadoop team to develop Mumak, a datacenter wide resiliency tool copying petabytes of data with custom strategies to optimize latency and bandwidth.
- **Tech**: Scala, Finatra, http4s, cats, doobie, event sourcing, CQRS, TypeScript, Flow, React, Hadoop, Hive, Vertica, MariaDB, Prometheus, Grafana.

Freelance — *Full stack & mobile developer*   September 2013 to September 2016

Proud of: from fixing a mobile app to change management: got to be the liaison between tech and sales departments to better align them at Sidexa. Mentored a Numa batch of startups to find their way on the technical side of their business.

- Worked for several clients: MFG Labs, Numa, Performance IMMO, Kpler, Sidexa, Popchef...
- Launched two startups: Cookers, SalooN. Bad for finance, awesome for learnings :D
- **Tech**: Scala, Play framework, TypeScript, Angular, Nodejs, Ionic, PostgreSQL, MongoDB

Amundi (asset manager) — *Full stack developer*   January 2012 to July 2013

Proud of: 5 years later, my former manager told me that Adsef has run without any trouble and when they had to add a new feature years after, it was easy (best compliment ever!).

- Developed Adsef (alone), a tool to manage all internal and external file exchanges.
- **Tech**: Java, Struts 2, JavaScript, HTML, CSS, Oracle, SQL Server, maven, sonar, svn

TRF Retail (4 people retail startup) — *Full stack developer*   June 2009 to November 2010

Proud of: built and expanded a sellable product without trouble while being self-taught.

- As the only developer, I brought the product and company from the idea to multiple international clients such as Carrefour and Migros. I moved once the company was able to hire a full team of experienced developers to bring the product one step forward.
- **Tech**: PHP, MySQL, JavaScript, HTML, CSS, C

Education

Koudetat by The Family — *Entrepreneur*   March 2015 to July 2015

Learned about the startup founder mindset and how to avoid common mistakes.

Grenoble INP, PHELMA / ENSIMAG — *Engineer*   September 2008 to July 2011

I went to ENSIMAG to learn theoretical knowledge after my hands-on experience at TRF Retail.

Extra

- Gospeak creator, SaaS for meetup organizers (also showcase engineering practices ^^)
- HumanTalks Paris organizer (monthly meetup with 80 attendees and 7000 members)
- Speaker at conferences like Devoxx, Scala.io, BreizhCamp, BDX I/O, Blend Web Mix...
- Blogger: wrote about tech ecosystem, management, startup, scala, FP, types...
    - Process for high performing teams
    - A better way to onboard developers
- Scala trainer at Human Coders
- Published libs:
    - SafeQL: a Scala DSL to build type-safe SQL queries on top of Doobie
    - TypedAPI: a Scala OpenAPI parser, validator, and generator