

BRICE ARNOULD

Evilard, Switzerland

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MY DREAM EMPLOYER

Takes data-driven decisions. Has reliable software as their key differentiator. Sees people as long term investments. Is pushing further technical boundaries. Grows staying lean and efficient.

PROFILE

Software Engineer with over a decade of expertise in large scale computing. I have a track record of designing secure infrastructure, handling major outages, getting people together and scaling devops.

PROFESSIONAL EXPERIENCE

GOOGLE, Zürich, Suisse

SENIOR SOFTWARE ENGINEER – PROD SEC LABS.....June 21 - Present

- Devised safe deployment of new security telemetry on Vertex AI.
- Co-designed and implemented transactional solution to replace SSH.
- Designed and promoted safe-by-construction API against command hijacking.
- Mentored and coached junior engineers, Contributor to Hiring Program.

SOFTWARE ENGINEER – MONITORING TEAM.....December 2016 - June 2021

- Designed and co-implemented Google-scale discovery system.

CRITEO, Paris, France

STAFF DEV/OPS LEAD – DATA STREAMS.....May 2015 - September 2016

- Managed a team of 6. Built a consensus on SLAs, facilitating creation of a guild.
- With team, reworked business data streams from ad-hoc shell scripts to Kafka.

GOOGLE, Dublin, Ireland

TECH LEAD – MYSQL SRE.....February 2014 - April 2015

- Reduced toil by designing and leading implementation of new monitoring.
- Kept Google up coordinating 10+ engineers as incident manager during major outages. Kept the team on track facilitating the definition of our roadmaps and objectives.

ENGINEER – MYSQL SRE.....January 2012 - February 2014

- Reduced operational work from hours to minutes devising a common configuration format and Python-based provisioning system for all our deployments.
- Hosted an intern to implement a Python debugger.
- Designed and implemented end to end traffic encryption of Bigtable backend, secure authentication.

GANDI.NET, Paris, France

INTERN.....December 2010 - July 2011

- Designed/Implemented a container based PaaS, commercialized as “Gandi SimpleHosting”.

GOOGLE, Dublin, Ireland

INTERN.....May - September 2010

- Built Adwords' frontend availability monitoring, from batch to an optimized stream-processing algorithm. This project grew for a decade before being superseded.

ÉCOLE NORMALE SUPÉRIEURE, Lyon, France

INTERN.....April - July 2008

- Created and tested a system of pluggable schedulers for Hadoop.

PERSONALS

ACTIVITIES	Volunteer fireman in Evilard ; Volunteer in Biel foodbank (Cartons du Cœur)
FAMILY	Married, Father of three children aged 2, 4 and 6.
LEGAL STATUS	French Citizen with Establishment (C) Permit
LANGUAGES	Native French, Fluent English (C1), Some Notions of German (A1, willing to learn)

EDUCATION

MASTER OF COMPUTER SCIENCE (“DIPLOME D’INGÉNIEUR”), INSA, Lyon, France..... 2011

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (“MAÎTRISE”), UCBL, Lyon, France.....2009

COMPUTER SKILLS

CODE	Concurrent Programming; Testability; API Design; C, C++, Java, Golang, Python
SECDEVOPS	Rollouts; Observability; Incident Management ; Security
SYSTEMS	SecDevOps; Linux Internals; Large Scale Systems such as Kafka, Spanner...