SEBASTIEN DUC

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WORK EXPERIENCE

DEC 2016 - NOV 2022 — Technical Lead at PALANTIR, London / New York / Paris

- Responsible of the technical success of Palantir's commerical deployments with some of the largest industry leaders worldwide.

- Design and develop data pipelines and data driven workflows to transform how customers operate.

- Train customer users on how to use Palantir's data integration platform and analytical tools.

- Responsible of helping Palantir Engineers grow within the company and follow their career progress throughout their years in the company.

FEB 2016 - DEC 2016 — Software Engineer at INPHER, Lausanne, Switzerland

- responsible of defining product requirements and creating architectural specifications, ensuring feasibility, functionality, and integration with existing systems/platforms.

- One of the main engineering contributer writing most of the initial code, introducing strong software engineering practices (rigurous code review, CI/CD and testing).

- Implemented a new cryptosystem which just came out of academic research to enable our users benefit from privacy while leveraging the computing power of the cloud.

OCT 2015 - JAN 2016 — Security Engineer Contractor at YOTI, London, UK

- Worked on hardware security components for their datacenters.

JULY 2014 - SEPT 2015 — Engineer Contractor at QUALCOMM (UK) LTD., Farnborough, UK

- Delivered two security applications and porting them on the newest Chipsets.

- Developed Trusted Applications for ARM TrustZone in C/C++ and the Android system / Linux kernel components communicating with those Applications.

- Collaborated with multiple teams working internationally on different components of the System on Chip.

EDUCATION

SEPT 2011 - OCT 2013 — Master of Science in COMMUNICATION SYSTEMS, **EPFL**
Major: Information Security
AVERAGE GRADE: 5.71/6.0 (GPA: 3.80)

SEPT 2008 - JULY 2011 — Bachelor of Science in COMMUNICATION SYSTEMS, **EPFL**
AVERAGE GRADE: 5.42/6.0 (GPA: 3.64) — second best results

ACADEMIC PROJECTS

MAR 2013 - SEPT 2013 — Master Thesis at Qualcomm Inc. — Securing Data at Rest
Security risk assessment of a Qualcomm solution to secure data at rest on its System on Chip.
Supervisors: Prof. Serge Vaudenay and Dr. Ning Shang

JAN 2012 - JULY 2012 — Short, Undeniable Signatures for Android 2.x
Android application as a proof of concept for a new cryptographic signature scheme.
Supervised by Dr. Ioana Boureanu

SEPT 2009 - JAN 2010 — Data Mining in Lausanne Data Collection Campaign
Machine learning on data collected on smartphones to predict user behavior.
Supervised by Prof. Rüdiger Urbanke, in collaboration with Nokia

LANGUAGES

ENGLISH: Fluent   FRENCH: Native Language   GERMAN: Intermediate

TECHNICAL SKILLS

Programming :	C, Rust, PYTHON, Java, Spark, Bash, SQL, Golang, Javascript, Typescript, ReactJS, NextJS
Platforms:	AWS, Palantir Foundry, Github, Vercel, Firebase
General:	TCP/IP networking, Cryptography, Software security, Software Engineering, Distributed Systems