

## SENIOR STAFF DATA ENGINEER

### PROFESSIONAL EXPERIENCE

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Since May 2022 **Senior Staff Data Engineer** at **1PASSWORD** in Vancouver, Canada

- Leading the **Data Platform** team, defining the three year data and infrastructure vision and directly influencing the company-wide data strategy shifting organizational culture towards **data-informed decision-making** and **self serve**.
- Driving the consolidation of high-volume data from disparate data sources to generate **trusted and accurate insights** while ensuring **rigorous compliance** for all downstream consumption and key business growth initiatives.
- Cultivating **platform engineering** by coaching Senior Data Engineers to master operational excellence with a focus on **simplicity** and developer experience while providing system **resiliency and reliability** at scale.

2015 - 2022 **Technical Lead - Reporting Data Platform** at **CISCO** in Vancouver, Canada

- Built and operated a **highly available and fault tolerant** reporting **Data Platform** for **Cisco Umbrella** from collection (37 global DCs) to storage (**6 million** events/s streamed at peak, **45 TiB** per day) and analytics using **AWS**.
- Mentored juniors on designing simple, secure and efficient quality streaming data pipelines.

2011 - 2015 **Senior Software Engineer (Web, Java)** at **SIERRA WIRELESS** in Vancouver, Canada

- **Prototypes** design and implementation for the **CTO Office**.
- Design and implementation of **AIRVANTAGE™ M2M CLOUD PLATFORM** features in an **international** context.

2009 - 2011 **Software Engineer and Open Source expert** at **SIERRA WIRELESS** in Toulouse, France

- **Design** and implementation of a **M2M** plug and play solution for monitoring **ICS** connected to the **AIRVANTAGE™ M2M CLOUD PLATFORM**.

2005 - 2009 **Technical expert, leader and trainer** at **ANYWARE TECHNOLOGIES** in Toulouse, France

- **Product** development, **project management**, **expertise**, training and pre-sales on **AMETYS** (CMS and DMS solutions). **Design** and implementation of a **HA** web **SSO** system with load balancing.

### SKILLS

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| ■ Computer languages   | <b>Go, Python, Java, SQL, Bash.</b>   |
| ■ Datastores           | <b>ClickHouse, S3, AWS DynamoDB, HBase, Redis. MySQL, Postgres.</b>   |
| ■ Data Processing      | <b>AWS Athena, dbt, Polars, Spark, Databricks, Flink.</b>   |
| ■ Technologies         | <b>Iceberg, Kafka</b> (Streams, Connect, Mirroring, Schema Registry), <b>AWS Kinesis, SQS, SNS. Terraform, Spacelift, AWS (ECS, Lambda, EC2, SSM), Docker, Ansible.</b><br><b>AWS</b> (LB, Cloudfront, Route53, Cloud WAN).<br><b>Dagster, Prefect.</b> |
| ■ Security             | <b>REST, Avro, Protobuf.</b><br><b>TLS/X.509, AWS (KMS, IAM, ACM, PCA), OAuth, SSO</b> (Okta, Jasig CAS).<br><b>SOC 2, FedRAMP.</b>   |
| ■ Software engineering | <b>Agile</b> (Lean, Kanban, Scrum, XP), <b>Design Patterns, K.I.S.S., YAGNI.</b>  |
| ■ Tools                | <b>Neovim, Git, tmux.</b><br><b>Github, Gitlab, Jira.</b><br><b>Datadog, PagerDuty, Nagios.</b><br><b>Looker, Metabase.</b>   |
| ■ Operating Systems    | <b>GNU/Linux</b> (Ubuntu, Debian, Amazon Linux), <b>MacOSX.</b>   |
| ■ Languages            | <b>French</b> (native speaker).<br><b>English spoken everyday</b> by living in British Columbia.<br>Basic knowledge of Spanish.   |

### EDUCATION

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2002 - 2005 **Engineer/Master's degree** from **INSA of Toulouse, France** in **Computer science**

2000 - 2002 **DUT in Computer science** at the **I.U.T. A of Toulouse, France**

### INTERESTS

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- Hobbies: **Technology Intelligence, Open Source contributor**, Woodworking, Movies and TV shows.
- Sports: **Mountain Biking, Ski touring, Hiking.**