Pierre-Alexandre St-Jean

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Experiences

Braver Health

SRE & Senior software engineer

Febuary 2021 - Now | Remote

* End to end encrypted messaging platform development
* Develop and set up Incident management process
* Introduce rust for security, performance and interoperrability

1Password

Technical Lead & Acting engineering manager

August 2020 - Febuary 2021 | Remote
* New Audit Streaming service with Public API (go)
* CI & CD Pipeline for a monorepo with micro services
* Lead for a team of 6 (3 Level 3-4 Customer support & 3 Developers), doing bi-monthly one on ones and projects planning for external identity management in 1Password platform

Pleo

Engineering lead & Senior software engineer | Billing and special projects

Jan 2019 - August 2020 | Remote

* Leading a team of 5, Project priorization and analysis, technical and non functional, weekly check ups
* Achitecture of AWS & GCP based financial software
* New pricing plans, localization development to accomodate with new business goal
* Lead the BI and analytics team for the Pleo product

Senior Software engineer - Engineering

Sept 2017 - Jan 2019 | Remote

* PCI compliant Kubernetes infrastructure architecture
* Software engineering process & quality of life for engineers and remote workers improvements
* Migrate Java microservices to Kotlin
* Design and manage the BI infrastructure

Coveo

Team Lead | Cloud infrastructure

Jan 2017 - Sept 2017 | Québec, Canada

* Lead the cloud infrastructure team (project planification, one on ones, ...)
* Deployment of container clusters (Kubernetes)
* Lead efforts of going from manual infrastructure management to infrastructure as code, helping business resiliency and reduce errors and lead time to production
* Organize internal hackathons and conferences

Software developer | Analytics

Dec. 2014 - Jan. 2017

* Analytics backend developer (~2.5M events/day)
* Advanced Database Schema and Query Optimizations
* Design of load balancer for Redshift database clusters
* Build automated Cloud infrastructure
* Organize and participate in hackathons and conferences
* Build front-end demos and applications using the Coveo platform

Education

BA. Software engineering | École de Technologie Supérieure

2013 | Montreal, Canada

Technical College (DEC) - Computer Technology | Cégep de Sept-Îles

2009 | Sept-Îles, Canada

Projects & Talks

BlackboxDB.io | Full stack developer

Jan 2018 - June 2021 | Québec, Canada

* Build a passwordless nodejs & rust analytics solution to optimize water filters in the mining industry

The rust programming language | Cabane.io [talk]

October 2018 | Québec, Canada

Deploying μservices without interruption | Web à Québec [talk]

April 2017 | Québec, Canada

Software lead | Club Chinook ETS

Jan. 2011 - Aug. 2013 | Québec, Canada

* Embeded system programming
* Circuit design and soldering of battery management
* Wire communication protocol design over CANBus
* Desing and model of a 3d printed driver wheel

Google Summer of code Developer | KDE

May - Aug. 2009 | Remote

* Extract code from KDE and Kopete to create reusable widgets in C++

Profil & Interests

Problem solver, vision, leadership, autonomy, creativity, sociable, motivated, polyvalent

Go, rust, kotlin, java, javascript, react, graphql, C, C++, SQL, kubernetes, redis, kafka

Kitesurf/snowkite, backcountry skiing, yoga, UX & Design, software engineering, architecture, 3d printing

Software engineering processes, Infrastructure automation, observability, continuous deployment, programming languages, distributed systems, open source

References available by request