

Pierre-Alexandre St-Jean

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Experiences

Braver Health

SRE & Senior software engineer

February 2021 - Now | Remote

- * End to end encrypted messaging platform development
- * Introduce Incident management process
- * Push rust micro services forwards for security, performance and interoperability

1Password

Technical Lead & Acting engineering manager

August 2020 - February 2021 | Remote

- * Audit Streaming service with Public API (go)
- * CI & CD Pipeline for a monorepo with micro services
- * Leading a team of 3 developers and 3 customer support specialist, bi-monthly one on ones and project planning

Pleo

Engineering lead & Senior software engineer | Billing and special projects

Jan 2019 - August 2020 | Remote

- * Achitecture of AWS & GCP based financial software
- * New pricing plans, localization development to accomodate with new business goal
- * Lead the billing, BI and analytics project 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 automating infrastructure management, helping resiliency, 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
- * Organize and participate in hackathons and conferences

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

- * Embedded 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