Contact

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(LinkedIn)

Top Skills

Java
Web Services API
Spring/Spring Boot

Languages

English (Full Professional)
French (Native or Bilingual)

Certifications

Power BI for superusers
Azure - Basics, infrastructure, deployment, security
Learn Spring: The Certification Class
AWS Certified Cloud Practitioner
Secret Security Clearance

Sebastien de Grandpre, B. Eng

Software Engineer (Java/Spring Boot/Angular)
Montreal, Quebec, Canada

Summary

Experience: 25 years in software development and architecture.

Hobby: Teaching software development and agentic programming to teenagers online.

Experience

Infonuagix
Software Engineer/Solutions Architect
March 2018 - Present (7 years 3 months)
St-Rémi, Quebec, Canada

Clients:

Ticketmaster: Developing a reactor (Java/Spring Boot) and playing with Kafka, Debezium, Apache KStream, Bazel and Gitlab CI/CD.

Hydro-Québec: Software Developer (Java/Spring Boot/Angular) in the AutoDépôt project which allows developers to configure Databricks jobs through a web interface.

Sapiens: Technical Software Architect (Java/Spring Boot/Angular), integrating the life insurance policies administration software to clients' sites.

IREQ: improving Quebec's electricity demand forecasting project, using deep learning, helping architect the cloud-native solution of "Diagnostic Résidentiel Comparez-vous" (DRCV) in AWS, working in Firebase on the iSIGE project, a mobile progressive web application (PWA in Angular) and finally, working as a the tech lead in the MGCR project, a custom web-based software to track changes in Hydro-Québec's servers.

Bell Canada: SOA Architect, guiding a team of SOA developers.

Technologies/Philosopy:

Agile/Scrum, Jira, Confluence, Java 11/13/17/21, Spring, Spring Boot 3.3, AngularJS/7/13/NgRx/RxJs, Git, TeamCity, AWS, Tenable Nessus, FileMaker, Confluent Kafka, SOAP, RESTful microservices, Azure serverless functions, DevOps, Micro Focus Service Management Automation X (SMAX), etc.

Ville de Montréal
Software Engineer/Solutions Architect
August 2016 - March 2018 (1 year 8 months)
Montreal, Canada Area

• Developed authentication microservices in Gluu and conducted load tests with Locust on APIs.
• Enhanced the City of Montreal's alerting system by adding features in Node.js and RabbitMQ.
• Contributed to an in-house Oro CRM bundle in PHP, Twig, Doctrine 2, Symfony 3.
• Managed the development of a new RESTful API to integrate SIMON with Maximo for municipal asset management.

National Bank of Canada
Software Engineer
July 2014 - August 2016 (2 years 2 months)

In my role as a Senior full-stack Java/Javascript programmer at National Bank of Canada, I championed the transition to Agile methodology, streamlined code deployment, and optimized the front-end logic for a complex business requirement using a Karnaugh map.

Arborite
Software Engineer
May 2010 - April 2013 (3 years)
Montreal, Quebec, Canada

• Architected and developed a custom web-based portal for Arborite, bridging MRP and ERP systems, enhancing productivity for 150 manufacturing plant employees.
• Implemented a user-friendly Excel-like interface for procurement manager to optimize paper roll purchasing decisions, resulting in increased accuracy and efficiency.
• Prevented infinite loops in bill of materials by coding a validation system, ensuring seamless operations for the company.

Genome Quebec

Software Engineer
January 2001 - March 2006 (5 years 3 months)
Région de Montréal, Canada

• Developed empirical and statistical data analysis software in VBA for Excel to isolate genes.
• Created a LIMS in VBA for Excel to make SQL queries to a MySQL relational database with ADO.
• Collaborated with cross-functional teams to enhance the Genomics Platform at Genome Quebec.
• Managed data analysis and visualization requests from biologists to a team of 8 bioinformaticians.
• Developed a LIMS and protein identification algorithm in Matlab for large proteomics data extraction.
• Improved protein identification precision and data mining efficiency.
• Maintained software code versions with CVS.

Electronic Data Systems
Software Engineer
May 1997 - September 1998 (1 year 5 months)

• Developed software to manage source code in C on Unix for programmers.
• Improved logic of a robot for car sequencing on assembly line in C on Unix.
• Translated Visual C++ software to French at GM headquarters in Detroit.
• Supported and enhanced Quality Improvement System for car quality analysis in C on Unix.

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Education

McGill University
Bachelor, electrical engineering + minor in software
engineering · (1995 - 2000)

Université de Montréal - HEC Montréal
MBA, IT & Marketing · (2004 - 2006)

Collège de Maisonneuve
Attestation d'Études Collégiales, Computer Science · (January 2009 - June 2009)