

Ayoubé Akaouch

SOFTWARE ENGINEER

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Professional Summary

Software Engineer with 6+ years of experience in designing and implementing complex software solutions, specializing in data-driven applications, C++ development, and cloud technologies. Proven ability to deliver high-quality software aligned with client requirements and project deadlines. Experienced in leading the design and development of in-house libraries, data collection solutions, and REST APIs. Adept at cross-functional collaboration, mentoring junior engineers, and improving processes by defining best practices and coding standards.

Languages English, French

Work Experience

Angi

New York, NY, United States

SOFTWARE ENGINEER II

Dec. 2021 - Present

- Led cross-domain initiatives unifying review systems across HomeAdvisor and Angi, streamlining operations, and enhancing user experience by having data from both companies available to our pros and customers.
- Lead the full migration of review databases across two companies to a single database, ensuring zero downtime and full data completeness.
- Designed and led multiple initiatives currently used by users and pros to write, display and manage their reviews.
- Collaborated with various clients to transition from legacy services to the unified review platform, preserving all critical features and requirements.
- Standardized observability, monitoring metrics and automated alert creation which reduced critical issue resolution time by 30%.
- Optimized sprint workloads estimations by leveraging data to infer productivity rates based on multiple factors, reducing carryover work by an average of 50%.

Paladin AI

Montreal, Canada

SOFTWARE ENGINEER

Mar. 2020 - Oct. 2021

- Designed and implemented an extensible real-time data streaming solution in C++, collecting and processing over 100GB of data daily, which improved data throughput by 30%.
- Led the development of in-house C++ libraries, enhancing system scalability and performance by 25%.
- Customized data collection solutions to align with clients' infrastructures, reducing the time required to add support for client software by 40%, thereby enhancing system adaptability.
- Developed REST APIs in Python using Flask to support the back-end of a client-facing web app, enabling live display of data for over a dozen concurrent simulators.
- Engineered core features using C++ and Python within a Linux environment, developing containerized builds that enabled client setup in less than 2 hours.

CAE

Montreal, Canada

C++ SYSTEM SOFTWARE SPECIALIST

May. 2019 - Mar. 2020

- Designed and implemented complex flight simulation features in C++ based on client designs.
- Adjusted coding process to support in-house C++ frameworks and libraries improving performance and coding standards.

Nuance Communications

Montreal, Canada

SOFTWARE ENGINEERING INTERN

Sep. 2016 - Dec. 2016

- Delivered proof of concept that led to the voice activated car manual for BMW.
- Engaged in an Agile/SCRUM environment to reach established deadlines.
- Implemented Nuance proprietary technologies in innovative projects.

Education

Concordia University

Montreal, QC, Canada

BACHELOR OF ENGINEERING – SOFTWARE ENGINEERING

Jan. 2015 - Apr. 2019