

Alejandro Cardona

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EDUCATION

University of Calgary – Bachelor of Science in Computer Science, GPA: 3.9

Expected May 2027

WORK EXPERIENCE

Software Developer Intern, Pason Systems Inc. – Calgary, AB

May 2025 – Present

- Implemented support for 23 live drilling telemetry streams across 6 Java microservices and a 2M+ record database, shipping and streaming new data to 100k+ customers with zero production issues
- Developed SSO support with React and TypeScript, shipping user interfaces for login and user settings to production with 100% test coverage from unit, functional, and end-to-end testing
- Built a Spring Boot backend to retrieve Gitlab and Datadog failure alerts and integrated them into a React dashboard application, deploying via Docker on AWS (EC2, Aurora MySQL, Secrets Manager)
- Reduced CI pipeline runtime by 68% for an analytics microservice by analyzing Datadog CI Visibility metrics and removing redundant Gradle verification jobs, saving developers 7+ hours weekly

OTHER TECHNICAL EXPERIENCE

Co-Founder & Software Developer, Nullus Inc. – Calgary, AB

Apr 2024 – Dec 2025

- Developed 6 React applications reaching 2000+ users using Next.js, TypeScript and Redux, deploying on Vercel
- Led the team-wide adoption of agile development practices using Jira for sprint planning and task tracking, reducing the development cycle by 5+ hours weekly
- Designed user interfaces in Figma and implemented them into React applications using Tailwind and D3.js

Web Developer, Canadian Global Care on Campus – Calgary, AB

Oct 2023 – Mar 2025

- Designed and developed a React-based website for the club, hosting information on events, member, and job opportunities for 200+ weekly visitors during major event cycles
- Accelerated delivery from a planned 6-week timeline to 4 weeks, launching the application ahead of schedule and driving a 36% increase in event attendance following launch
- Collaborated with club executives to gather requirements, iteratively improving the design for user needs

PROJECTS

Mixed Reality Room Planner – C#, Meta XR SDK, Unity

github.com/alejandrocqvd/idea-mr-room-planner

- Developed a mixed reality application for the Meta Quest 3 using Unity 6, enabling real-time visualization and manipulation of 100+ life-sized 3D furniture models within a user's physical environment
- Implemented hand tracking with the Meta XR SDK to allow natural grabbing and movement of virtual objects

MiHistoria – React, TypeScript, Tailwind, Express.js, MySQL

github.com/alejandrocqvd/mihistoria

- Built a full-stack social media application using Vite with an Express.js backend, implementing RESTful APIs to create a platform where users can write their life's story with the TinyMCE rich text editor
- Implemented JWT-based authentication to secure user data and enable frontend-backend communication

SKILLS

Languages: Java, SQL, Python, JavaScript, TypeScript, Python, HTML, CSS

Frontend Technologies: React, Next.js, TailwindCSS, Redux

Backend Technologies: Spring Boot, RESTful APIs, GraphQL, Express.js

Cloud & Infrastructure: AWS, Docker, Datadog, Flyway, Vercel, Git, Linux

Testing: JUnit, Jest, Vitest, Playwright