

# JORDAN HEINRICHS

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## Skills

- Competent and experienced programming using TypeScript/JavaScript and C++
- Experienced with SQL, Terraform HCL, Python, CSS, and Rust
- Database management with PostgreSQL and MongoDB
- Front-end experience with React, Vue, and Svelte
- Back-end experience with Node.js with Express
- Infrastructure experience with AWS, Serverless, and Docker
- Strong problem solving and troubleshooting skills
- Practiced Scrum Master and project coordinator
- Hard-working, motivated, and a team-player
- Customer focused to deliver impactful solutions

## Work Experience

**Validere Inc., Calgary**

**October 2022 - Present**

*Technical Lead Manager*

- Planned and forecasted resourcing needs
- Managed project security and process compliance
- Upskilled organization using constructive feedback in code reviews
- Researched and implemented innovative features

*Team Lead*

- Managed cross team deliverables
- Deployed and was responsible for operational support
- Architected and implemented cloud native application features
- Interfaced with product and services to plan and execute sprints

*Senior Software Developer*

- Back-end REST API development of Node.js
- Managed AWS infrastructure using Terraform
- Front-end with React
- Scaled the application from early MVP to core company product
- Designed database schema for performance
- Implemented serverless architecture for variable load
- Monitored system using observability tools to track system health

**Arterys Inc., Calgary**  
*Software Developer*

**June 2018 - October 2022**

- Full stack developer on a cloud native medical imaging application
- Developed web application with Vue and AngularJS
- Back-end development with C++, Node.js, and MongoDB
- Deployed and managed scalable clusters in the AWS ecosystem
- Coordinated small teams to estimate and release projects on time
- Worked with product team to deliver impactful features
- Researched and implemented algorithms for cardiac MRI analysis
- Mentored junior developers with a focus on constructive feedback

**Hitachi ID Systems, Inc., Calgary**  
*Intermediate Software Developer*

**May 2016 - June 2018**

- Enhanced an ID/access management software used in large organizations
- Improved the product's front-end web interface with jQuery and Angular with TypeScript
- Back-end development with C++ and MSSQL Server
- Maintained integration tests with Ruby and Watir
- Windows development and testing environment with Git and Cygwin

**Lockheed Martin CDL Systems Ltd., Calgary**  
*Software Developer Intern*

**May 2014 - Aug 2015**

- Worked on software to interface between two protocols for UAV flight control
- Used Test Driven Development and other Agile methodologies
- Gained experience with C++ with QT, Perl, and Git
- Learned and implemented Domain Driven Design
- Developed for Windows, Linux, and Linux on ARM

## Education

**BSc, Electrical Engineering, minor in Computer Engineering    2011 - 2016**

- University of Calgary
- GPA: 3.9/4.0 cumulative

## Hobbies

- Endurance athlete, trail, and road running
  - 2019 Boston Marathon finisher
  - Marathon PR of 2:37:16
- Ski mountaineering, scrambling, and mountaineering
  - Summited Cotopaxi Volcano (5897 m) in Ecuador
  - Climbed and skied off of Mount Columbia, the highest point in Alberta