

JORDAN HEINRICHS

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Skills

- Professionally used TypeScript/JavaScript, C++, Rust, Python, and Perl
- Managed AWS workloads using IaC with Terraform HCL and CDK
- Built front-ends with React, Vue, Angular and Svelte
- Designed schemas and optimized SQL queries in >1 TB PostgreSQL database
- Cross region scaled NoSQL DB with MongoDB
- Integrated with Cloudflare, Auth0, and Datadog and managed vendor relationships
- Built CI/CD pipelines in CircleCI, Github Actions, and Jenkins
- Dockerized services and deployed to Fargate
- Led Agile processes with continuous improvement
- Achieved SOC 2 compliance across services
- Communicated cross functionally to deliver impactful solutions for customers

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

- Implemented DB schema for slowly changing dimensions at scale
- 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 with Express
- 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