

## SKILLS

|                      |        |
|----------------------|--------|
| Systems Design       | 5+ yrs |
| API Design & SRE     | 6+ yrs |
| Database Design      | 6+ yrs |
| Terraform & IaC      | 6 yrs  |
| DevOps & Delivery    | 5 yrs  |
| Technical Leadership | 4 yrs  |

## TOOLS

|                       |         |
|-----------------------|---------|
| Javascript/TypeScript | 7+ yrs  |
| Git & Github          | 7+ yrs  |
| SQL                   | 7+ yrs  |
| Terraform & Packer    | 6 yrs   |
| AWS                   | 6 yrs   |
| Unix OS               | 10+ yrs |
| Docker                | 6 yrs   |
| Go                    | 1 yrs   |
| HTML/CSS              | 4+ yrs  |
| C++                   | 8+ yrs  |

## CONTACT

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# MATT FORSTER

solving problems, creating, building foundations

## PROFILE

Technical Leader, Software Engineer, DevOps and Cloud Operations. Continually caring about the value, reliability, and consistency of the services my teams and I create.

I chase excellence in application development (web and native), user experience (with a focus on platform experiences through CLI and APIs), software quality improvements, infrastructure automation, database administration, and other development projects that allow me to use my creativity to solve problems and help people.

## WORK EXPERIENCE

**Software Architect**  
**Quorum Information Technologies**

March 2022 - Now

As one of the software architects at quorum, my team and I are building the infrastructure and development community that will guide the company into the future. With Quorum's recent acquisitions, our job is to bring these teams and software stacks together and create a cohesive platform and product suite.

### Impacts:

- Re-engineered the RabbitMQ client libraries to use asynchronous streams and channel pools to reduce message sizes and channel churn, improving memory efficiency by 60% and reducing server instability under high loads.
- Started the change of communication and contribution culture within new teams, improving and encouraging the writing of the engineering organization and building a positive and inclusive contribution community.

### Responsibilities:

- Guide technical decisions and discussions
- Judge technical proposals and provide critical feedback, using modern code review processes
- Lead feature creation, development efforts, and deployment by writing code
- Mentor and coach members of a technical leadership team
- Host Architecture Chapter meetups, technical training, and other events
- Shape and bet on roadmaps and projects that multiple teams will work on
- Lead, encourage, and evolve collaborative culture and code review practices

# EDUCATION

2013 - 2017

**B. Sc. Computer Science**  
University of Lethbridge

Focus on software engineering and design. Co-operative education certification in co-operation with Agriculture and Agri-Food Canada. Completed a research project on the design and implementation of a web-based LIMS for the management of Culture Collection and Sample Annotations. <https://github.com/matt-forster/LIIS>

2006 - 2009

**Diploma, Computer Information Technology**  
Lethbridge College

Graduated with Honors. College Diploma with a business orientation.



**Development Team Lead - Server Applications and API Infrastructure, DevOps**  
**Autovance Technologies / Quorum Information Technologies**

2016 - March 2022

Leading, growing, and working with a small team to ensure results, reliability and speed. My team and I planned and executed on a highly available API platform serving multiple applications and services.

### Impacts:

- Grew a successful development team from 2 to 8 members, with high psychological safety and a strong sense of responsibility
- Soundly architected the Autovance Platform for security, performance and longevity
- Team acquired by Quorum in the summer of 2017, <https://quoruminformationsystems.com/2017/08/22/2366/>

### Responsibilities:

- Lead feature creation, development efforts, and deployment by writing code
- Judge technical proposals and provide critical feedback, using modern code review processes
- Mentor and coach members of development team
- Host technical one on ones, gather input and feedback for the technical roadmaps
- Shape and bet on projects that the team will work on (sprint planning)
- Lead, encourage, and evolve collaborative culture and code review practices

**Javascript / NodeJS API Development & DevOps**  
**(Team Founder)**  
**Autovance Technologies**

2014 - 2016

API Engineer, using modern Javascript and Web paradigms to deliver performant and reliable APIs. Founding member of the Autovance Development organization, I was responsible for the foundational initial development, growth, and maintenance of the API platform powering the Autovance Products.

### Impacts:

- Creation of a REST API platform powering Autovance Admin and Desk
- Full-fledged data management platform that allowed a small number of people to manage large amounts of data
- Planning and execution for the future of the platform

### Responsibilities:

- Lead feature creation, development efforts, and deployment by writing code
- Ensure development efforts made by team members are successful

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- Create and maintain culture around collaboration and improvement