

# JESSE DOYLE

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## PROFILE

Experienced full-stack developer with more than 8 years experience writing web applications primarily using Ruby on Rails as a backend framework. Avid contributor and participating member in the open-source community. Comfortable in an Agile/Scrum environment and fluent in cloud architecture and best-practices.

## EDUCATION

**UNIVERSITY OF ALBERTA, AUGUSTANA CAMPUS**

2009 – 2013

*BSc. Computing Science, Mathematics and Philosophy Minor*

- *Project Member:* University of Alberta graduate application system web application, developed using the Ruby on Rails framework in 2012.

## EXPERIENCE

**ALBERTA MOTOR ASSOCIATION - EDMONTON, AB**

02/2016 – present

*Developer III*

- Developed and maintained a portfolio of more than 14 Ruby on Rails applications serving a primary userbase of approximately 1 million members.
- Utilized AWS services (EC2, RDS, S3) to deploy highly available and scalable applications to production.
- Built custom mobile applications for iOS/Android using React Native with Serverless Framework, AWS Lambda and AppSync + DynamoDB on the backend.
- Maintained and contributed to a custom OAuth2 provider for multiple applications utilizing a service-oriented architecture design philosophy.
- Designed and built a user-facing chatbot (IVR) using Genesys Cloud, AWS Lex and AWS Lambda.
- Achieved AWS SysOps Administrator certification in 2017 and Certified ScrumMaster (CSM) certification in 2018.

**TERRACE SAFETY LTD - CAMROSE, AB**

11/2013 – 10/2015

*Rails Developer - Freelance via Sprocket Systems, Inc.*

- Developed a custom Rails application deployed to AWS infrastructure in production (EC2 + S3).
- *Backend:* Rails, RSpec + Capybara, Devise, MySQL, Apache + Phusion Passenger.
- *Frontend:* jQuery, CoffeeScript, HighCharts, ZURB Foundation, SCSS.

**VITAL EFFECT - CAMROSE, AB**

07/2013 – 11/2013

*Web Developer - 4 Month Contract*

- Contributed to the development of an automated WordPress generator/hosting web application.
- Wrote PHP code to integrate with NameCheap, Aviary SDK and PayPal API endpoints.

**STAPLES CANADA - CAMROSE, AB**

02/2007 – 07/2013

*Technology Sales Area Representative*

- *Member,* Joint Health and Safety Committee.

## SKILLS

Technically proficient in many aspects of software development, including the following:

### WEB DEVELOPMENT/JAVASCRIPT

8 Years Experience

- Proficiency with modern web standards such as HTML5, CSS3 and modern ECMAScript (ES2021+).
- Experience with React Native to create custom mobile applications on iOS/Android.
- Strong understanding of RESTful as well as GraphQL API design patterns.
- Familiar with TypeScript as well as front end frameworks such as React in a production environment.
- Experience with server-side javascript via NodeJS and its surrounding ecosystem (esbuild/babel/webpack).
- Familiar with frontend CSS frameworks such as ZURB Foundation and Bootstrap.

### RUBY

8 Years Experience

- Experience writing clean, well tested and readable code that conforms to the [Ruby style guide](#).
- In-depth understanding of Rails and its surrounding ecosystem such as Sprockets, Stimulus and Rack.
- Experience developing and releasing custom gems deployed to RubyGems.
- Experience testing via RSpec and static analysis tools such as Rubocop, Brakeman, and Simplecov.
- Familiarity scaling application servers such as Puma and Unicorn in a production setting.

### DATABASE

7 Years Experience

- Practical and theoretical understanding of relational database concepts and design.
- Experience developing applications with both PostgreSQL and MySQL.
- Proficiency with NoSQL (DynamoDB, Redis) design patterns and optimization.
- Experience modelling efficient database designs from scratch using ER-Diagrams.

### DEVOPS

6 Years Experience

- Experience with infrastructure-as-code tooling such as AWS CloudFormation, SAM and CDK.
- Experience using tools such as Terraform, Packer and Ansible to deploy applications reliably.
- In-depth understanding of best practices, account security and application architecture in the AWS ecosystem.

### C PROGRAMMING

2 Years Experience

- Familiarity with POSIX standard libraries and system calls (**fork**, **exec**, **pipe**, etc.).
- Experience with UNIX/TCP socket programming to develop client/server applications.

### OTHER

- Tools: ~~LaTeX~~ **LaTeX**, Git, continuous integration using TravisCI/GitHub Actions/AWS CodeBuild.
- Familiar with a UNIX-based development environment using Bash/ZSH, VIM, GNU Make, SSH, etc.
- Experience developing in SCHEME (R6RS) and PROLOG and Java for small programming problems.
- Experience writing reliable, well-tested code in the [Crystal Programming Language](#).

## REFERENCES

Available upon request.