

JESSE DOYLE

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PROFILE

Experienced full-stack developer with more than 10 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 a custom OAuth2 provider utilized by applications throughout the organization. Developed an authorization framework using TransUnion data in 2021.
- Designed and built a user-facing chatbot (IVR) for placing roadside assistance calls 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

10 Years Experience

- Proficiency with modern web standards such as HTML5, CSS3 and modern ECMAScript (ES2021+).
- Experience using React Native to create custom mobile applications for iOS and Android.
- Strong understanding of design patterns for both RESTful and GraphQL API endpoints.
- Familiar with TypeScript as well as frontend 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

10 Years Experience

- Experience writing clean, well tested and readable code that conforms to the [Ruby style guide](#).
- Deep understanding of Rails and its surrounding ecosystem such as Sprockets, Rack, and Stimulus/Turbo.
- 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

8 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, Elasticsearch) design patterns and optimization.

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.
- Familiarity implementing continuous deployment using AWS CodePipeline and CodeBuild.
- Practical experience using Fastlane to automate mobile application deployments.

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, Docker, 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), PROLOG and Java for small programming problems.
- Experience writing reliable, well-tested code in the [Crystal Programming Language](#).

REFERENCES

Available upon request.