JESSE DOYLE

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PROFILE

Experienced full-stack developer with more than 6 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 architechture 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 as a proof-of-concept using the Ruby on Rails framework in 2012.

EXPERIENCE

ALBERTA MOTOR ASSOCIATION - EDMONTON, AB   02/2016 – present
Web Developer

- 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 a custom mobile application for iOS/Android using React Native as a mobile framework with Serverless Framework, AWS Lambda (NodeJS) and AppSync + DynamoDB on the backend.
- Maintained and contributed to a custom OAuth2 provider for multiple applications utilizing a Service-Oriented Architechture design philosophy.
- 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 web application built with Ruby on Rails (https://terracesafety.com).
- Deployed application to Amazon infrastructure in production (EC2 + S3).
- *Backend*: Rails 4.1, RSpec + Capybara, Devise, MySQL, Apache + Phusion Passenger, Git.
- *Frontend*: jQuery, HighCharts, ZURB Foundation 4, 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 the NameCheap, Aviary SDK and PayPal APIs.

STAPLES CANADA - CAMROSE, AB   02/2007 – 07/2013
Technology Sales Area Representative

- Achieved strong sales goals in both technology products and their complimentary products or services.
- *Member*, Joint Health and Safety Committee.

SKILLS

Technically proficient in many aspects of software development, including an in-depth knowledge in the following areas:

Web Development/JavaScript   6 Years Experience

- Proficiency with modern web standards such as HTML5, CSS3 and modern ECMAScript (ES2018+).
- Experience with React Native to create custom mobile applications on iOS/Android.
- Experience with server-side javascript via NodeJS and its surrounding ecosystem such as Yarn, Babel and Webpack.
- Familiar with frontend CSS frameworks such as ZURB Foundation and Bootstrap as well as client side libraries such as jQuery.
- Familiar with standard development techniques such as responsive design, AJAX and RESTful design.

Ruby   6 Years Experience

- Experience writing clean, readable code that conforms to the Ruby style guide.
- In-depth understanding of Rails and its surrounding ecosystem such as Sprockets, Turbolinks and Rack.
- Experience developing and releasing custom gems deployed to RubyGems.
- Experience testing via RSpec and using tools such as Rubocop, Brakeman, and Simplecov.
- Familiarity with various application servers such as Puma and Unicorn in a production setting.

Database   4 Years Experience

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

Java   3 Years Experience

- Practical application of Java threading techniques and concurrency.
- Experience with the Lightweight Java Game Library and basic OpenGL development.

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: $\LaTeX$, Git, continuous integration using TravisCI.
- Familiar with a UNIX-based development environment using Bash/ZSH, VIM, Make, SSH.
- Experience developing in SCHEME (R6RS) and PROLOG for small programming problems.
- Experience writing reliable, well-tested code in the Crystal Programming Language.

REFERENCES

Available upon request.