

Ryan Townshend

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Software development : Summary of Related Professional Skills

- Approximately three years Senior Developer and Project Manager experience: managed a team of 8 developers.
 - Proficient in and approximately 15 years combined professional experience working with Python, including Django. As Project Manager, I transitioned company from PHP to Python and Django.
 - Proficient in and approximately 20 years' experience of HTML and CSS; and five years of Javascript.
 - Proficient in and approximately 15 years professional experience with unit testing and TDD.
 - Proficient in and approximately 20 years professional experience using Linux, specifically Debian or Ubuntu.
 - Proficient in and many years' experience using databases ie. Approx. 10 years using PostgreSQL and MySQL; approx. 1-2 yrs experience with MongoDB and other No SQL systems.
 - Approximately three years professional experience contributing to free software projects and communicating within a free software community.
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Additional Related Skills / Accomplishments

- DevOp: approximately 20 years competence and proficiency in the use of Debian and Ubuntu and (2-3 yrs experience with Docker).
- AWS Cloud Computer Platform: approximately 5 years' experience. ie. Created tools to validate content on S3 buckets.
- Approximately 2-3 years professional work experience with messenger broker : i.e. RabbitMQ.
- Approximately 10+ years git source control experience.
- Personal exploration experience with configuration management tools including Ansible.
- J2ME client application on the Bell network.

- IOS applications for various clients.
- J2EE server applications for handling SMS traffic and multiple carriers.
- Maintained linux / apache / mysql / tomcat servers.

Proficiency and Experienced in the Following Languages and Tools

- Languages: Python, Java, SQL, Bash
 - Frameworks: Django, Requests, Poetry, Click
 - Linux: Mainly Debian and Ubuntu
 - Servers: Apache, Nginx, Tomcat and other WSGI endpoints
 - Databases: PostgreSQL, MySQL, Django ORM, and others as required
 - Techniques: Unit Testing, TDD, Software lifecycle, documentation and architecture
 - Other Tools: Git, Jira,
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Related Work Experience

Quality Assurance Team Lead, Discovery Garden Inc.

Charlottetown, PEI — Aug 2015 - Nov 2018

Executed Quality Assurance processes to ensure ongoing work was on-task and behaved as clients desired.

Accomplishments

- Created and maintained a set of automated Selenium tests using Python frameworks
- Created several Python command-line tools and libraries for verifying behaviors and output of various systems with corresponding unit tests
- Created both framework and client-specific system tests for web applications
- Created accessibility tests using a variety of tools according to client specifications
- Created and updated documentation for each testing tool and system I worked on

Developer, Sprypoint Inc

Charlottetown, PEI — Sept 2014 - Apr 2015

Primarily worked on design and development for an IOS client to interface with an existing web application system.

Project Manager / Senior Developer, MJL Enterprises

Charlottetown, PEI — May 2011 - Sep 2014

Responsible for managing a team of eight developers and being the architect and project manager for incoming client projects.

Accomplishments

- Transitioned new development work from PHP to Python / Django
- Designed and developed client projects
- Maintained Linux / Apache / MySQL and PostgreSQL servers

Developer, Magnet Mobile Media

Charlottetown, PEI — 2005 - May 2011

I developed server-side Java applications for integration with client systems. Also worked on a J2ME application that deployed on mobile phones.

Accomplishments

- J2ME client application on the Bell network
 - IOS applications for various clients
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Education

University of Prince Edward Island, 2019 - present

Charlottetown, Prince Edward Island, Canada

Full time student: Coursework includes Computer Science, Math and Philosophy

Holland College, 2006

Charlottetown, Prince Edward Island, Canada

Business Information Systems Design Diploma

References

Available upon request.