

Jon Sangster

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PROFILE

- Ten years of professional programming experience, with particular knowledge in *Java*, *Ruby on Rails*, and *agile* project management.
- Pursuing opportunities to make a significant contribution leading a small team in agile development while mentoring junior developers.

WORK EXPERIENCE

Ballistiq Digital Inc. Montreal, QC 2014–

- Developed the new *KeyShot* site and new *e-commerce site* (on *Shopify*).
- Developed a Ruby on Rails API server to automatically deliver product serial keys to end-users upon payment of their Shopify order. This included a custom "embedded app" to allow the client to manage their product serial code inventory from within Shopify's administration site directly.

Unique Ltd. Halifax, NS 2013–2014

- Led a *Scrum* project to replace a disparate collection of legacy *REST* services with a unified *Ruby on Rails* service.
- Created an E-Commerce *WordPress* plugin to enable REST access to an automatic clothes-fitting service.
- Incrementally improved legacy REST services to meet changing business needs.
- Developed an *AngularJS* application to allow clients to embed a profile creation wizard in their E-Commerce site, allowing their users access to our clothes-fitting service.

NTT Data Corporation/Keane Halifax, NS 2008–2013

- Created many custom, skeuomorphic UI widgets to emulate the physical equipment which our *Java* applications replaced.
- Led a *Scrum* project to replace a simple drilling recorder with a *charting widget* that supports multiple columns and overlapping plots.
- Developed a module for the "Automatic Driller" system to safely stop the drilling operation if the Driller fails to stop it before the *Kelly drive* reaches the drill floor.
- Held the role of "Backup Client/Server & Reporting Domain Lead:" the first consultant to become a Backup Lead for one of our client's domains.

CGI Group Inc. Stratford, PE 2007–2008

- Code Support on five *UNIX* applications.
- Application Support of nine *UNIX* applications and one Windows application.
- Developed a Java service to incorporate legacy telecom systems into Bell's *One Bill* service. This project earned a perfect $10/10$ in each of the twenty categories of the *Client Satisfaction Assessment Program* (CSAP) report. Recognized via the Kudos program for my work on this project.

- Involved in the local Java Special Interest Group and occasionally presented a seminar on introductory UNIX/Linux skills to newer employees.

St. Francis Xavier University

Antigonish, NS

2004–2007

- Provided support for all forms of technology on the university campus.
- Helped in 2005–2006 to launch the WebFX Open Source initiative, which updated all the lab computers on campus to dual-boot Linux along with Windows XP.

OPEN SOURCE CONTRIBUTIONS

- **gtfs_reader:** A RubyGem which provides a simple API for parsing *General Transit Feed Specification* (GTFS) files.
- **gtfs_engine:** A *Rails Engine* which adds a RESTful API for GTFS feeds to a Ruby on Rails host application.
- **jsend_wrapper-rails:** A RubyGem for Ruby on Rails to render *JSend*-compliant JSON responses.
- **KnowTime:** A Ruby on Rails server which provides estimated times-of-arrival for city buses, based of crowd-sourced GPS signals.
- **ppp:** A RubyGem which generates *Perfect Paper* one-time passwords.
- **CodeMirror:** A *Textile* mode for the *CodeMirror* syntax-highlighter.

TECHNICAL SKILLS

- **Agile:** Scrum, Agile Alliance “Certified Scrum Master”, Kanban
- **Languages:** Java, Ruby, Javascript, Go, C, SQL, HTML, CSS, Lua, PHP, Python, \LaTeX , XML, Shell scripting
- **Database:** PostgreSQL, MongoDB, MySQL/MariaDB, SQLite
- **Operating Systems:** Linux (*ArchLinux*, *CentOS*, *Gentoo*, *Ubuntu*), Android
- **Web Servers:** Nginx, Apache
- **Version Control:** git, Subversion

EDUCATION

St. Francis Xavier University

Antigonish, NS

2003–2007

- Completed 108 credits toward a Bachelor’s Degree in Computer Science.
- Dean’s List, 2006–2007
- Summer Research Assistant of department chair, Dr. van Bommel.

Dr. John Hugh Gillis Regional High

Antigonish, NS

1999–2003