

# DANIEL GRENIER

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## SENIOR SOFTWARE DEVELOPER

**Engineering robust, user-focused solutions. Driving breakthrough, efficiency, and bottom-line results**

- **Dynamic software developer**; Trying to keep in touch with the latest technology and trends.
- **Skilled in all phases of the software development lifecycle**; translating business requirements into technical solutions; fanatical about quality and usability.

## EXPERTISE

- Application Development
- Software as a Service (SAAS)
- Microservices, API
- Payment processing
- QA, BDD, TDD
- Web Development

## PROFESSIONAL EXPERIENCE

### **PADGETT BUSINESS SERVICES (2004 to Present) — Athens, GA**

*Padgett Business Services is a nationwide accounting practice franchisor.*

#### **Senior Software Developer**

Advanced through promotions, culminating in present senior software developer overseeing firm's software development activities. Provided oversight of software project management, leading the research, design, development, documentation, testing, and rollout of enterprise applications.

- Main responsibilities
  - **(2015-present) Lead developer on the Web-based franchisee portal application & Home office intranet.** This application monitors and tracks franchise records and activity. Allows franchise owners to report and pay their royalties with a bank draft or credit card payment. The application was written with Ruby on Rails on a PostgreSQL database and is hosted on AWS. The application uses tools such as Sidekiq to perform background jobs as well. We reduced the franchise royalty submission process by over two weeks by streamlining the process and accepting electronic payments. Orchestrated a COVID19 software response that allowed franchise owners to claim rebates while paying their royalties or other payable items to Padgett corporate. Currently evaluating conversion of front-end from jQuery/HTML to React.
  - **(2004-present) Lead developer on the proprietary accounting software** provided to accounting practices in order to provide monthly accounting to small businesses. The software was written in Powerbuilder running on an Adaptive Server Anywhere database. We increased franchise efficiency by 25% after adding automated tasks, electronic transmission capabilities, and batch processing features.

**Technologies used:** Ruby 2.7, Ruby on Rails 6.0, Sidekiq, Postgresql, RSpec, Capybara, AWS, jQuery, HTML, CSS, Payment processing, Git/Github for source control.

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## **TSD SOFTWARE (2000,2016) — Laval, Quebec, Canada**

*TSD Software was a software company providing reservation software for small hotels, campgrounds, and marinas.*

### **President and lead developer**

- Main responsibilities
  - **Co-founded the company and created framework** for the reservation software.
  - **Coded the only available graphical user interface at the time**, allowing users to interact directly with the map of their campground, hotel, or marina. Sites, rooms, and docks were clickable and customizable. This led to a 95% reduction in double bookings.
  - **Coded time-saving tools to handle software customization**. With every user having a different map, different layouts, and different needs, a solution was needed to build these customized items quickly and integrate them into the development workflow. This reduced the software delivery period by two weeks.

## **ALGO DESIGN (1997 to 2004) — Laval, Quebec, Canada**

*Algo Design is a software development company delivering products which manage both human capital and finances, in addition to offering payroll services*

### **Software Developer, 1997 to 2004**

Advanced through experience, culminating in a dedicated software developer position on mission-critical projects such as the payroll calculation module for the U.S payroll service and centralized data management module from which direct deposits, electronic checks, and government remittances were processed.

- **Reduced payroll calculation by up to 3 seconds per employee** by moving most of the calculation process into the database as stored procedures and enhancing database indexes.
- **Increased franchise efficiency by 25%** by adding automated tasks, electronic transmission capabilities, and batch processing features in the proprietary accounting software.

**Technologies used: Powerbuilder, Sybase SQL Anywhere, Visual C++**

## TECHNOLOGY SUMMARY

**Languages:** Ruby, JavaScript (jQuery, React), SAP Powerbuilder, SQL

**Development Tools & Environments:** Rails, Sidekiq, HTML, CSS, RSpec, Capybara, Capistrano

**Systems:** Unix, Linux, Windows

**Databases:** SAP Adaptive Server Anywhere, PostgreSQL, MySQL, SQLServer

## EDUCATION

**BS in Computer Science (1997)** / AHUNTSIC COLLEGE, Montreal, QC

## CONTINUING EDUCATION

Ruby on Rails Tutorial by Michael Hartl (2013)

32 weeks Complete Web Developer Bootcamp (CoderManual.com 2013)

BDD – TDD with Ruby on Rails using RSpec and Capybara (Stackskills.com 2014)

Git Complete: The definitive step by step guide (Stackskills.com 2014)

AWS Certified Solutions Architect (acloud.guru 2017-2018)

React on Rails (Udemy 2018)

Complete React Web (Udemy 2018-2019)