ROLAND L. GALIBERT

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I'm a qualified full stack developer (masters from Harvard) who enjoys designing and implementing web apps in Laravel and JavaScript as well as serverless APIs.

TOOLS & TECHNOLOGIES

Laravel/PHP • MySQL • JavaScript • Bootstrap • HTML/CSS • Linux
AWS (API Gateway, Lambda, DynamoDB, Cognito, SNS, EC2) • Familiar with Java
Visual Studio Code • Github • Agile (scrum, TDD) • Astah • UML • NetBeans • Oxygen
IoT • Espruino/puck.js • GPS • Google Maps • Tiptap WYSIWYG editor

PROFESSIONAL EXPERIENCE

Web Professional Institute   **Heroldsberg, Germany**
Developer   **December 2022 to present**
(Project currently suspended due to funding.)
- Implement new features, enhancements and bug fixes for Laravel and RoR applications used by German-based provider of state-certified professional online courses in web programming and web design.
- Most developments related to maintenance of Laravel collaborative rich text WYSIWYG editor based on Tiptap (https://tiptap.dev/) and used by instructors to create course books.
- Development environment for above editor consists of dockerized Laravel application on Linux running nginx, PHP, mariadb and mongodb.
- Apply agile TDD approach in developing code in 2-week scrums; developments subject to peer review on Github.

Self   **Lunenburg, MA**
Freelance Software Developer/Translator   **September 2007 to present**
- Develop software on a contract basis.
- Designed/developed/maintain websites for own businesses.
- Maintain self-managed cloud server for business websites; installed/configured SSL and HTTP, FTP and email servers on same.
- Also work as certified German to English translator.

Timken Aerospace   **Lebanon, NH**
Programmer/Analyst   **January 2004 to September 2007**
- Developed/maintained web applications in languages including Java Server Faces.
- Developed Crystal Enterprise/VBScript data warehousing system to transmit invoice, order & purchase order data from Timken Lebanon to central data warehouse.
- Developed IOpus bot/VBScript system to automatically upload/download order data to/from customer web portal.

- Created/maintained department reports written in a variety of languages (Excel Visual Basic, various flavors of SQL, etc.) and run in a variety of ways (System i, automated Windows Server tasks, ASC Sequel on the Web etc.).
- Development of system to coordinate orders created/maintained on external systems with those created/maintained on Timken Lebanon legacy system/data warehouse/SAP.
- Maintenance of System i systems, applications and jobs.
- Collaborated with operations, production, planning customer service departments.
- Provided user support for office applications (Word, Excel, Access).

Medical Media Systems   **West Lebanon, NH**
Production Technician   **November 2002 to January 2004**
MMS' primary mission was to create 3D color computer models from CT scans showing the blood flow, thrombus, etc. of patients with blood vessel disorders.
- Converted CT film scans & x-rays into digital format for later processing.
- Archived/manipulated x-ray images by scanning x-ray film into computer, processing it, then burning CD.
- Download CT scans from variety of media (optical disks, DVDs, CDs, Internet).
- Linux / Windows - copy/move files; create directories; file transfer (FTP); download from Internet.
- Coordinated MMS' secondary business as a core lab/repository for x-rays of patients requiring stents.
- Everyday use of medical terminology in updating scan histories.

EDUCATION

Harvard University Extension School, Master of Liberal Arts, Software Engineering, May 2020
- Final grade average: 3.67/4.0 (A-)
- Courses included software design, mobile applications (Xamarin Forms), dynamic web applications (PHP/Laravel), Java for distributed computing, communication protocols & Internet architectures.
- Master's thesis: Using Espruino, Blockchain and Amazon Web Services to Raise Accountability and Lower Costs in Perishable Shipping.

New York University, Certificate in German to English Translation, December 2007
- Final grade average: A-
- Certificate program included courses in medical translation, legal translation, commercial translation.

Williams College, Bachelor of Arts in English, June 1984
- Studies included courses in computer science and two years of German.

INTERESTS

Hobbies include cycling, golf, bridge, hiking, karaoke and cooking.