Brian H. Rutledge

Software Solutions
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I have over 12 years of experience in learning software systems, using them to solve problems, and explaining their concepts and usage. I'm looking for opportunities to do that with a team of people working towards a sustainable future.

I was an embedded software engineer for three years, then left the industry in 2005 to pursue people-oriented work. I was fortunate to find it at a large bike shop, where I've enjoyed the flow of a variety roles, from selling and fitting bikes to writing and administering software, all focused on connecting our customers with cycling. In my free time, I have expanded my software development skills by building responsive websites back-to-front.

Skills

Adapting, Assimilating, Coding, Communicating, Debugging, Editing, Explaining, Programming, Researching, Teaching, Testing, Troubleshooting. **Software Development:** Python, SQL, Git, Travis, Linux/Unix, Test-Driven Development, Virtual Machines. **Web Development:** Django, Flask, Selenium, HTML, CSS, Markdown, JavaScript, jQuery, Apache, Responsive Design, Typography, Photography.

Experience

Full Stack Web Developer   Freelance
2006-Present

- Built a Flask & jQuery web application to transform tab-delimited files into searchable and sortable tables, enabling a small retailer to quickly analyze sales reports
- Built my band's website using custom Django applications
- Built my personal website with the Pelican Python framework
- Built a musician's website with the Perch PHP framework
- Developed a PHP framework for quickly building brochure websites
- Built single-page brochure websites with responsive layouts
- Deployed websites to Linux shared hosting services, installing software as needed
- Managed my band's mailing list using GNU Mailman, then migrated to MailChimp to improve usability

IT Operations Manager
2007–Present

<div align="right">Belmont Wheelworks
Belmont, MA</div>

- Built and managed the <u>business website</u> using the SmartEtailing CMS, and developed a custom front-end with CSS and JavaScript
- Wrote Python scripts to synchronize the store's inventory to the website catalog, resulting in increased customer inquiries and foot traffic
- Wrote SQL queries and Python scripts to generate custom reports of customers and inventory, streamlining tasks such as mailing list generation and barcode management
- Developed a physical count procedure and programmed a handheld data collector to improve inventory accuracy
- Built a <u>Squarespace website</u> for the in-house frame builder
- Configured and managed the MindBody web application to replace a paper binder for appointment booking
- Configured and managed Google Apps for email, calendars, and documents
- Maintained a Google Site for the company intranet, documenting numerous procedures and policies, and enabling easy viewing of schedules and calendars
- Managed a major upgrade of the CounterPoint retail management software
- Established and managed the relationship with an IT consulting firm to ensure timely and competent network management for all locations
- Provided IT vendors with on-site troubleshooting, hardware installation, and new project scopes, resulting in expedited solutions to problems and fewer billable support hours
- Provided staff training and support for all software systems
- Designed web and print forms for collecting customer questions and information

Bicycle Fitter, Buyer, Salesperson
2006–Present

- Installed, replaced, and adjusted bicycle components and instructed clients on pedal technique and posture, resulting in a more comfortable, efficient, and safe experience
- Completed bicycle fitting certification programs from SBCU, SICI, and Retül
- Managed customer relationships by email, phone, and appointment
- Ordered and stocked electronics, saddles, nutrition, and media
- Trained staff and customers on electronics

Buyer, Sandwich Maker, Barista
2005–2006

<div align="right">Darwin's Ltd.
Cambridge, MA</div>

- Ordered and stocked raw ingredients and paper goods
- Prepared and served beverages and sandwiches

Software Engineer
2001–2005

<div align="right">Applied Innovation Inc.
Dublin, OH</div>

- Assumed sole development responsibility for a troubled network device, turning it into a major source of income
- Designed, developed, and documented features for network devices using 68k Assembly, C, C++, Java, and Python
- Designed and developed a Perl web application for automated regression testing of network devices
- Completed software releases as sole developer and as part of a team
- Diagnosed and addressed field issues in conjunction with customer service

System Operations Center Operator, Lab Consultant
2000-2002

<div align="right">The Ohio State University
Columbus, OH</div>

- Responded to help requests in a Unix and Windows environment
- Designed and developed a graphic FAQ editor in Java
- Provided programming and Unix assistance to students in labs of 50-100 computers

Grader
1999-2000

- Graded papers for an introductory software development course in C++
- Provided guidance for 35-40 students during and outside of class

Education

Bachelor of Science, Computer & Information Science
2002

<div align="right">The Ohio State University
Columbus, OH</div>

- Graduated Cum Laude with Honors in the Liberal Arts, 3.640 GPA