

JESSE RUSSELL

Business Solutions Engineer

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📍 Indianapolis, IN

🌐 [linkedin.com/in/jrussellfreelance](https://www.linkedin.com/in/jrussellfreelance)

🐙 github.com/jrussellfreelance

🌐 [upwork.com/fl/jrussell](https://www.upwork.com/fl/jrussell)

SKILLS

Languages

- Bash
- Powershell
- Python
- Javascript
- SQL
- PHP
- Go
- C#
- Visual Basic

Cloud Platforms

- AWS
- Microsoft Azure
- Google Cloud Platform
- DigitalOcean
- Linode
- Vultr
- Serverspace

Operating Systems

- Windows and Windows Server
- Ubuntu and Debian
- CentOS and AlmaLinux
- Amazon Linux
- macOS

Other Frameworks/Services

- Docker / Docker Compose
- UiPath
- Cloudflare

WORK EXPERIENCE

Business Solutions Engineer

Jesse Russell Freelance

📅 Aug 2018 - current

📍 Remote

- Own and operate a contracting business where I complete requests for clients. I take on projects relating to DevOps, administration, development, and automation.
- Design and implement solutions for SaaS companies serving various types of customers, from SMBs to corporations. This frequently involves diagnosing complex issues in production services and then implementing a fix while providing a permanent solution to those involved.
- Currently working for a web-to-print company where I am an interdepartmental resource for Development, Support, Operations, and customers. I handle any escalating issues from various departments while proposing long-term solutions to stakeholders. I often implement the proposed solution myself or passed the project to another developer after turning the customer requirements into development requirements. This allows the development team at large to keep pushing features and fixes, while other departments are able to focus on their most critical services. Working in this role allows me to transform customer challenges into actionable product improvements for my client.
- Currently function as a system administrator for the web-to-print company, performing datacenter migrations, configuring customer domains, upgrading software and services, monitoring the environment for issues, and maintaining systems involved with order delivery. This often involved diagnosing and troubleshooting bigger issues for the rest of the team to make decisions on.
- Lightly manages the infrastructure for various businesses and practices. I have delivered, cost-efficient, performance-boosting improvements to systems and pipelines in a wide variety of industries. This first involves moving them to a more performant stack while lowering their costs, and then finishes with identifying areas of their application that are most critical to their business or most in need of improvement and providing solutions.
- Lightly administers and maintains websites and online presence for various small businesses and practices. This has involved configuring and managing DNS, email, cloud, Wordpress, third-party systems, and more.
- Lightly develops solutions for various small business and practices, regularly maintaining app code, Wordpress code, writing web scraper processes to automatically import content from other platforms, and adding new features to existing solutions.
- Lightly assist with code maintenance for various small businesses and practices, which has involved Python, Go development, Wordpress development, and familiarity with React.js.
- Have been the primary admin and developer for a therapy practice, designing solutions to supply new features relating to the practice. This has involved things like designing new patient workflows, providing technical direction and advice, and utilizing resources to complete various projects.
- Previously performed development operations in many capacities for a web-to-print company, managing their weekly deployment process, monitoring fatal emails and taking action, and other miscellaneous tasks. This also involved development on items like a Wordpress learning center, a trial signup process, and other items that the development team does not typically address.

Protocols

- DNS
- SSL / TLS
- HTTP
- SMTP / IMAP / POP3
- DMARC / DKIM / SPF
- SSH
- SFTP / FTP
- IPv4
- TCP / UDP
- REST
- SOAP
- SAML2
- XML / cXML

Databases

- PostgreSQL
- MySQL / mariadb
- SQL Server
- MongoDB
- Elasticsearch / Kibana

Web Servers

- Nginx / php-fpm / uwsgi
- Apache
- IIS
- OpenLiteSpeed
- Tomcat

Python Libraries

- Selenium
- BeautifulSoup
- Flask
- pandas
- boto3
- regex

Source control

- Git
- SVN

Javascript Libraries

- Node.js / Express
- React.js
- jQuery
- Angular 1

- Previously set up integrations for a web-to-print company's enterprise customers, joining calls to ensure cXML, SAML2, or SFTP integrations were guided to completion.
- Previously oversaw the merging of two organization's data after a merger. I subcontracted the necessary development while executing the system configuration and development operations. The work involved dismantling systems to be destroyed and importing the data safely into other locations for case reference. This project was successful and the smooth transition ensured that customers receiving periodic payouts would not receive a disruption to their payments.
- Previously assisted in the development and administration of an open source network mapping software (www.openmapp.org). This involved part-time maintenance of the data science pipeline modules in python, including a LinkedIn web scraper, an image management module, and data enrichment scripts.
- Previously have been involved with the development of the mapping front-end, specifically relating to the following repository: <https://github.com/vibrant-data-labs/openmapp-OLD>. I maintained the repository and relating documentation, as well as assisted in streamlining the deployment process.
- When the mapping software was centrally hosted, I managed this environment and ensured that network maps were always available and functioning for data scientists and philanthropists.
- Helped out a financial web startup fix a couple issues with a virtual host that customers were having issues with, which involved Nginx, Certbot, LetsEncrypt, and SSL testing.
- Assisted an IT services company in fixing some Powershell scripts for their customer that automatically pulled data from vendor and customer systems.
- Assisted a furniture store in deploying Wordpress as a subdirectory of a primary domain that was managed by Bitnami on Google Cloud. I accomplished this by creating a dockerized instance that was connected via a custom Nginx config added to the Bitnami config. This allowed them to have a secondary language translation of the site without redesigning things significantly. I continued working with the client on other projects afterwards, like a performance analysis, DDoS prevention changes, and web application auditing.
- Worked as a system admin/DevOps developer for a FinTech startup with a number of PHP/Laravel/composer stacks. This involved debugging server issues holding up deployments and implementing security audit fixes.
- Assisted an investor on a number of his personal projects as a tech generalist, involving relational and emotional intelligence in the corporate and educational spheres. This involved a wide range of technologies and subjects.
- Assisted an entrepreneur in several startup endeavors. I performed a vast amount of DevOps, administration, research, and technical business support.
- Designed and implemented a UiPath bot to enter patient data into a client's systems.
- Tutored a senior cybersecurity engineer in development problem solving and general programming.
- More experience history available upon request.

Developer

REFERENCES

- Nathaniel Pulsifer, CEO/owner of DCF Exchange - 406-250-5822
- Eric Berlow, data scientist and TED fellow - 209-625-6700
- Guy Winch, psychologist and TED fellow - 917-825-0001
- David Damm, CSM at PageDNA - 206-452-9767
- Mark McDonald, Director of IT & Executive VP at MPI - 317-366-3000

EDUCATION

Apprentice University

📅 October 2015 - May 2017

📍 Carmel, IN

High School Diploma

Wisdom Builders

📅 August 2002 - May 2014

📍 Carmel, IN

Materials Processing Inc

📅 Apr 2017 - Apr 2018 📍 Indianapolis, IN

- Wrote .NET applications for the shop floor and office to use.
- Wrote RPA and web service scripts to make changes in our ERP system
- Managed our databases, and wrote queries for business reports.
- Managed and developed the company's websites.

IT Ops Intern

T2 Systems

📅 Nov 2016 - Feb 2017 📍 Indianapolis, IN

- Automated processes like database creation, IIS site creation, and more.
- Wrote scripts using PowerShell to help monitor the production environment.
- Helped manage their servers, which were mostly virtual machines running in Hyper-V.
- Helped manage our staging and production Oracle databases, and designed automated processes to manage them.

Testing / Development Intern

E-gineering

📅 May 2016 - Jul 2016 📍 Indianapolis, IN

- Tested software that the development team produces and used JIRA, a software development tool. I tested in a variety of ways, from running manual tests scripts to using the requirements document.
- Wrote a web app in HTML, CSS, Javascript, and Node.js that allows you to upload a folder to the server by dragging and dropping it into the browser, while preserving folder structure and recursively uploading subfolders and files.

Web Development Intern

Perceivant

📅 Oct 2015 - Mar 2016 📍 Indianapolis, IN

- Provided basic product development and work with HTML, CSS, HAML, and JavaScript.
- Tested software that the development team produced.