

Justin Le Tourneau

Address	Phone	Email	Github
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Motivated Programmer and System Administrator with 8 years of experience designing, writing and deploying software for a variety of systems and use cases. Committed to improving user experiences through interface usability and functionality. Seeking a position that values learning, critical thinking and autonomy.

Skills

Programming:

- Proficient in various modern languages:
 - C++, Java, Javascript (ECMAScript), Python, Perl, PHP, Ruby, Shell Scripting
- Completed web projects using modern frameworks with loaders, bundlers and builders:
 - Web Front-End - Vue.js, jQuery, Bootstrap, Bulma, Sass, Webpack build tools, etc.
 - Web Back-End - Node.js, Express.js, Ruby on Rails, PHP, ColdFusion, Groovy, Django
 - Web Services - Socket.io, REST, SOAP, GraphQL, Sequelize, web tokens, etc.
- Completed mobile projects using Java in Android Studio, currently experimenting with Flutter
- Completed desktop projects using C++ in Microsoft WinForms and Qt
- Worked with search engines like Lucene and Elasticsearch
- Setup, optimize and designed schemas within different database implementations
 - SQL - PostgreSQL, SQLite
 - NoSQL - MongoDB, CouchDB, Neo4j
- Interface design and mockup with Mockflow and Adobe XD
- Git for version control and project organization

Administration:

- Install and manage CentOS, Redhat and Debian servers and virtual machines
- Manage web servers (Nginx, Apache, Tomcat, R Shiny, etc.)
- Add and upgrade hardware, install and compile software and manage storage
- Monitor performance. Manage system resources (example: cgroups)
- Relational (and non relational) database administration and optimization (PostgreSQL, MySQL, MongoDB, etc.)
- Scripting automated backups and other repetitive tasks
- Working with stakeholders to address needs for storage, setup, and provisioning. Implement standards for data storage and archiving.
- Teach researchers the terminal, the linux environment and how to use software like SLURM, Perl, Bash, etc.

Work History

Research Analyst - Linux Administrator, 2016 to Current	University Of Missouri – Columbia, Missouri
<ul style="list-style-type: none">• Created a data portal, educational and other research websites for National Science Foundation project -- Missouri EPSCoR Project• Write and maintain bioinformatics research software for genome assembly browsers and genomic data mining• Collaborate with faculty, postdocs and students to solve technical problems and contribute to research projects.<ul style="list-style-type: none">◦ Help with R stats, writing and running SLURM jobs, writing scripting / programming for pipelines and projects (C++, Shell, Javascript, Python, Ruby, etc.)• Contributed software for research papers on genetic tools, bioinformatics and educational software• Maintain 10 high-performance research servers and their many kvm / vmware virtual machines (around 20)• Install and manage software (WARF, R, Matlab, genetic pipelines, SMRTLink, etc.) for statewide project (EPSCoR) servers and research lab servers• Install, configure and maintain backups and machine images	
Quetza Software CTO, 2018 to Current	Quetza Software LLC – Columbia, Missouri
<ul style="list-style-type: none">• Founded software company for developing agricultural educational products for academic and industry use• Single full-stack developer for SeeGenetics and SeeBeefGenetics web applications. Created applications, authentication service, key / licensing software, educator portal. Designed both game and key features.• Worked with co-founder (PhD in Genetics) to hone educational content	
Programmer Analyst, 2012 to 2016	University Of Missouri – Columbia, Missouri
<ul style="list-style-type: none">• Built custom web applications for financial officers and controllers• Wrote software to interface with credit card companies and the campus bookstore• Re-wrote old, custom, legacy software and re-tooled for modern use and maintenance• Created custom framework for quickly building financial reports	
Freelance Developer, 2006 to 2012	Self Employed – St. Louis, Missouri
<ul style="list-style-type: none">• Wrote software and web applications for various clients in the St. Louis area, for example:<ul style="list-style-type: none">◦ C. Rallo Meat Company<ul style="list-style-type: none">■ created software to link scales together for pricing information■ created mobile apps for various in-store calculations and pricing◦ Saint Louis Wrestling Officials Association - Scheduling website for Missouri high schools and officials	

Education

Bachelor of Science: Mathematics And Computer Science, 2011
Webster University - Webster Groves, MO