

JASON LEFLER

Software Engineer

Contact Info

E-mail

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Phone

(609) 532-2281

Hard Skills

Programming



Database Design



Development Lifecycle



Languages

C/C++



SQL



Python



Java



Perl



Soft Skills

Adaptable

Good communicator

Highly motivated

Passionate software engineer with over 10 years of experience coding for NASA, specializing in satellite data storage, processing, and distribution. Possesses a deep understanding of development lifecycles and best practices, resulting in powerful, flexible, and efficient software.

Experience

SSAI
2017 -
present

Software Engineer, Lead Software Programmer

- Create data analysis tools to visualize and process data with ever-changing requirements and specifications
- Design storage and distribution for a wide variety of data types
- Collaborate with scientists to develop more intuitive ways to handle and interpret data
- Test and implement modern development techniques in order to create a more stable software platform and ease development efforts
- Coordinate, oversee, and mentor several software developers

JHT, Inc
2012 -
2017

ERT, Inc
2011 -
2012

Junior Developer

- Created a storage and distribution system for data from multiple satellites
- Designed and developed data analysis software targeted at scaling data spatially, along with temporal integration
- Processed terabytes of data for the end goal of disease inoculation and surveillance

ADNET
Systems,
Inc

2010 -
2011

Orbit Analyst

- Determined the accuracy of satellite orbits and tracking data
- Participated in data simulations for satellites, space shuttles, and other launch vehicles
- Created orbital products, such as ephemeris files and acquisition data
- Developed automation software for increasing the accuracy of orbit data and the productivity of the analysts

Honeywell
Tech.
Solutions

2009 -
2010

Education

M.S., Cybersecurity, Capitol Technology University

M.S., Computer Science, Capitol Technology University

B.S., Astronautical Engineering, Capitol Technology University

Related Proficiencies

- HTML/CSS/JS/PHP
- Shell scripting (Bash/Csh)
- CMake/CTest
- Vim/Eclipse IDE
- Neural networks
- TARDIS repair
- Test driven development
- Unit testing (libcheck/JUnit)
- HDF4/HDF5/NetCDF (C/C++)
- REST/SOAP/message brokering
- Multithreading (C++/Java)
- Git/SVN
- JIRA/Request Tracker
- *nix (FreeBSD/Ubuntu/Fedora)
- Embedded coding (AVR/PIC, digital, signal, minimal analog)
- Regular expressions (PCRE)
- Boost
- Qt5
- Gnu Scientific Library
- Minimal 3D modeling (Blender)
- OSGi/Gradle/bnd (Karaf)