
DOUGLAS JACOBSON

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Summary

Software Engineer with experience in development and quality assurance seeking senior role within an operations environment.

Proficiencies

- Python, Ruby, R, Java
- SQL, PostgreSQL, MySQL, Oracle
- Linux (CentOS, Ubuntu), Windows (10, Server 2008R2, Server 2010, Server 2016)
- HTML5, CSS, JavaScript, jQuery
- Web Frameworks (MVC) - Ruby on Rails, Django (python)
- Testing - RSpec, Selenium, performance testing
- Payment systems, PCI compliance
- AWS - EC2, RDS, Elastic Beanstalk. VMware/ VCloud
- Version control - git, github, SVN
- Data science, Algorithms, Data Presentation, statistics

Experience

Software Engineer

Loftware Incorporated – Portsmouth, NH

Feb 2017 to Present

- Participated in all phases of product development including planning, design, implementation and execution of automated and manual testing of Loftware's products. Gained understanding of Software Development Lifecycle (SDLC).
- Designed and developed in-house automation frameworks (Java) and test suites.
- Developed and maintained virtual environments using VMware. Configured test environments based on existing customer infrastructure using Windows and Linux operating systems (clustering, high availability, disaster recovery).
- Executed performance testing. Wrote "R" scripts for data reduction and data presentation.

VP of Development - Founder

The Hopewell Hockey Company – Portsmouth, NH

Aug 2016 to Sept 2018

- Developed and bought to market a hockey stick that is as light (410g) as leading brands, but at half the price.
- Created a fully functional eCommerce platform using Django MVC, and deployed to Amazon Cloud Services (AWS) using EC2 and RDS. Featured secure connections and a fully PCI compliant payment system using Stripe.
- Developed a prototype hockey rink ice time sharing application using Ruby on Rails, and deployed a Beta version to AWS's Elastic Beanstalk service. Featured third party authentication, socket based chat feature, PCI compliant payment system using Stripe, and text notifications using Twilio.
- Maintained live production servers and payment systems. Resolved problems in real time.
- Performed all accounting and bookwork including inventory management, booking sales, and managing expense accounts.

Nuclear Systems Engineer

Portsmouth Naval Shipyard (NAVSEA) – Kittery, ME

July 2011 to Feb 2017

- Fulfilled duties of nuclear systems engineer within an operations environment on overhauls of Los Angeles class (S6G) and Virginia class (S8G) fast attack submarines.
- Authored S6G and S9G Reactor Plant System test documentation for preparation, installation and removal of nuclear support equipment. Wrote plant operating procedures for S6G and S9G Reactors systems to support testing evolutions.
- Served as team leader (auditor) in executing performance evaluation of nuclear work on 688 class submarines. Organized team meetings, evaluated performance of team members, conducted management presentations of major issues and concerns within the organization.
- Interfaced with key stakeholders including the Department of the Navy, and regulatory oversight. Held briefs, enforced technical requirements of nuclear work, and directed evolutions of reactor plant testing (under qualified supervision).

Contract (Systems) Engineer

GT Advanced Technologies – Merrimack, NH

March 2011 to June 2017

- Created engineering specification drawings for existing components for GT products using Computer Aided Design (CAD) software (Solidworks).

Principal Owner/ Co-Founder

JAS Energy LLC – Blacksburg, VA

Aug 2009 to Aug 2010

- Launched green energy company focused on using algae to sequester pollutants from munitions wastewater facilities. Secured 120,000\$ in seed funding.

Project Engineer

GOSS International – Durham, NH

Sept 2008 to May 2009

- Performed design and detailing for commercial scale printing press systems and components using Computer Aided Design (CAD).

Reliability Engineer

Waters Corporation– Milford, MA

Sept 2006 to Sept 2008

- Performed duties of support engineer for all product design changes and extensions on liquid chromatography detectors.

Education

2006 University of New Hampshire, Durham, NH
Mechanical Engineering (Bachelors of Science, Masters of Science)

Interests and Activities

- Ice Hockey, Rugby, CrossFit, Travel
- Entrepreneurship, business development, book keeping
- Stock market, finance, due diligence