Jack Hamilton

DEVELOPER

Summary

Former DevOps excited about software development for applications and systems. Seeking positions in the world of JavaScript, Python, Elixir, Java, C++, embedded C or similar. Desire to focus on programming roles starting as Software Engineer I or II or those leading to such positions.

Contact

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PROGRAMMING Skills

**Programming Languages:**

* Ruby
* JavaScript
* Python
* CSS/HTML
* Elixir
* Perl
* Java
* C
* C++
* UNIX shell scripting

**Source Code REPOsitories:**

* git (github)
* MKS Integrity (Enterprise)

**DATABASE EXPERIENCE:**CRUD to:

* PostgreSQL
* Microsoft SQL Server
* MySQL
* Ingres
* Informix
* CSV flat-file “databases”
* MongoDB

PROGRAMMING EXPERIENCE

**Self-Study** San Diego, CA

June 2016 – Present

* Self-study online course-work in Elixir, Python, and JavaScript.

**Dev Bootcamp** San Diego, CA

**Student** Dec 2015 – May 2016

* 1000+ hours coding in 19 week fully immersive, 60-80 hours/week programming boot camp.
* Object-Oriented Programming and RESTful web development using Ruby on Rails, Active Record, JavaScript/jQuery and JavaScript Loopback framework.
* Deployed to Heroku cloud servers.

**Mitsubishi UFJ Financial Group** San Diego, CA

**Sr Software Developer/Analyst** Oct 2005 to Apr 2016

* Designed and implemented Perl-based internal routing software for check processing department. Routed inbound and outbound data files to/from 200+ commercial clients and bank entities valued at > $1B of daily check images being electronically deposited. Replaced previous solutions plagued by race-conditions. Routing program was successful and used for routing other general data and reports for other departments. Program communicated with AIX, Linux and Windows servers over SSH and Windows shares. Intelligent code logic design for error handling of unexpected situations (db connectivity hiccups, network glitches, client duplicates) with the intent of automated multiple retries, alternate logic, email/NOC alerting, and/or dashboard status updating. Provided on-going maintenance and feature requests.
* Authored HTML-based dashboard and co-designed upgraded versions to monitor flow of in and outbound data files and error statuses with email alerts for internal operations staff.
* Wrote Perl-based report generator querying MS SQL databases for email delivery to external commercial clients as PDF or text attachment or in XML format via SFTP transmission of their daily deposit information.
* Co-designed/co-wrote Perl-based Ansible-like automated weekly server health report XML-configurable program from scratch to automatically perform post-weekly reboot and post-patch validation across 200+ Windows (2K, 2K3, 2K8) servers. Automation replaced manual weekly validations that took hours to perform down to under 1 hour and with multiple metrics (confirm servers online, uptime validates reboot actually took place, confirmed filesystems read-writeable, expected ACLs and admin groups not modified from previous week) with email reporting and alerting.
* Designed/co-wrote system to update all servers’ holiday config file with that of central server (which obtained date data from Fed Reserve). Local scripts on each server referred to local holiday date files and ran jobs accordingly.

**Syntricity** San Diego, CA

**UNIX Systems Support Engineer** Summer 2005

* Maintained existing UNIX shell & Python scripts.

**Memec** San Diego, CA

**Senior/Lead Tech Support Analyst** 2002 to 2005

* Batch scripting for Windows desktop task automation.
* Creating and running SQL queries on Ingres for sales-support on ERP system.

**Southwestern College** San Diego, CA  
**Computer Lab Technician & Tutor** 1999 to 2000

* Tutored students in PC labs for C, C++, Java, and the UNIX OS classes.

PROGRAMMING Education

**Dev Bootcamp** San Diego, CA

**Student** Dec 2015 – May 2016

* See “Programming Experience” section above.

**Stanford University** Palo Alto, CA

**Student** 1996 – 1999

* Covered OOP concepts, inheritance, adapters/interfaces, polymorphism, recursion, multi-threaded programming, implementing fundamental algorithms (e.g., sorts and searches) and data structures (stacks, queues, text scanners, dynamic arrays, hash tables / symbol tables, linked-lists).
* Languages used: C, C++, Java, Perl, Lisp