**Thomas E. Michaud**

thomas.michaud@gmail.com

https://github.com/tmichaud/resume

10+ years’ experience in Software Development

Current Areas of Study: Docker, Kubernetes, DevOps, Go, Java, Ansible

Programming Languages: Go, Java, SQL, Python, Perl, Bash Shell

Operating Systems: Unix, Linux, Windows

Relational Databases: MySQL, Oracle, Sybase, MS-SQL

Other: HTML, CSS, XML, Git, SVN, JUnit, Mockito, Jenkins

**Lockheed Martin, DevOps (Contractor)** 10/2018-Present

Development Environment: Ansible, OpenShift, Jenkins, VMWare, Satellite, Nexus, Docker

Worked on a program-enhancing team to explore the shift from legacy Windows applications to a Linux-OpenShift containerized approach.

Notable items:

* Setting up Jenkins pipelines in OpenShift for Development teams to ensure testing and automate delivery
* Developing Ansible scripts to configure both Linux and Windows boxes in both command-line Ansible and Ansible Tower

**Accesso, Architecture Team Senior Developer** 03/2016-03/2018

Development Environment: Java, MySQL, RESTful WS, DevOps, AWS, Jenkins, Docker

Creating DevOps solutions for the development teams including Continuous Integration, Continuous Deployment and Continuous Delivery.

Notable items:

* Migrated all Git repositories from locally hosted Gerrit to GitHub via Python and Bash scripts.
* Managed, standardized and maintained the build scripts for 75+ GitHub repositories
* Developed both Nightly and Continuous Integration scripts with GitHub protected branches with status checks. This included working with both development and management in standardizing our software control processes.
* Developed a release script that processed 75+ repos: automatically detecting, cutting, building, testing and deploying to QA. Development stack: Python, Bash, SSH and Jenkins
* Installed and configured a MySQL database on a RAM drive. This reduced automated testing speed by a factor of 600%.
* Migrated production jobs from individual configuration files to a centralized configuration database to simplify configuration.
* Created an AWS prototype solution of current application
* Researched new technologies including Tyk, Docker and OpenShift.

**Accesso, Team Lead – Payments** 12**/**2014-03/2016

Development Environment: Java, MySQL, C#, XML, Sockets

Implemented new payment processing solutions while maintaining and monitoring the single back-end e-commerce solution for web, kiosk and mobile platforms Point-of-Sale platforms. These new features and interfaces had to be within PCI compliance and standards. This system processes over $1 billion (USD) in revenue every year.

Notable items:

* Led an initial team of 3 developers (eventually increased to 6). Deployed 6 new payment interfaces on time and within budget. Responsible for mentoring, design, and review of code.
* Developed code to process additional payment processors (Ogone and Acculynk). This allowed us to process additional card types including China Union Pay and JCB. Developed in Java, MySQL, XML.
* Developed code for new Point-of-Sale system to process payment processors including Shift4 and Verifone (UK and US) while interfacing with new vendors. Developed in Java, C#, MySQL.
* Design Patterns – recommended and implemented several design patterns including Factory, Dependency Injection and Chain-of-Responsibility to inject specific payment processor mechanisms into our Point-of-Sale system safely and easily – reducing development time.

**Accesso, Senior Developer** 03/2013-12/2014

Development Environment: Java, MySQL, C#, XML, Sockets

Implemented new features to the back-end ticketing framework and providing mentoring to developers.

Notable Points:

* Evaluated and recommended simplified load techniques – such as automation, data migration and configuration management.
* Evaluated, recommended and implemented Unit Testing via JUnit testing framework and Continuous Integration Server (Jenkins). Evaluated and recommended Mockito and PowerMock.
* Recommended and implemented switching to Git source code control (in 2013).

**Accesso, Developer**10/2011-03/2013

Development Environment: Java, MySQL, XML, Sockets

Implemented new features to the backend ticketing framework.

**IBM, Programmer Analyst** 10/2010-10/2011

Traveling Consultant

Development Environment: Java, Ant, Sybase, Netezza, Weblogic, Tibco BusinessWorks

Developed solutions for various clients from deploying Java Servlet Programs on WebLogic to developing custom

functions in Netezza.

**American Automobile Association - National Office, Programmer Analyst**

Internet Development 06/2009-10/2010

Development Environment: Java, JSP, Struts JSF, IceFaces, JBOSS, Seam, Ant, Liferay, Eclipse, Informix, JDBC,

Solaris; C++, Web Services, XML, pthreads

Travel Agent Portal: Worked on integrating Liferay portal application for Travel Agents. Utilized Liferay's Single Sign-On event handler to validate the user and process them though the system.

TravelConnect2: Extended and enhanced AAA Travel customer-facing travel reservation system.

Automated Triptik System; Rewrote TripTik System to utilize a centralized and simplified core component of code, saving man-hours of maintenance work. Updated back-end to utilize a multi-threaded call to a GIS Web Service to get the Triptik maps.

**Education**:

Masters of Science, Engineering Management

University of Central Florida, Orlando, Florida

Bachelors of Science, Computer Science

University of Central Florida, Orlando, Florida