**Thomas E. Michaud**

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https://github.com/tmichaud/resume

10+ years’ experience in Software Development

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

Programming Languages: Go, Java, SQL, Python, Perl, Ruby, Bash Shell, C++

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

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

Notable items included:

* Setting up Jenkins pipelines for Development teams to ensure testing and automate delivery
* Configuring both Linux and Windows boxes with Ansible scripts
* Converting command-line Ansible scripts into 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
* Developing 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 configurated 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 Points:

* 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 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.

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

Internet Development 06/2009-10/2010

Club Support 02/2007-12/2007

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.

**Bonnier Corporation, Senior Web Developer**

06/2008-04/2009

Development Environment: Java, JSP, JSTL, Tomcat, Struts, Hibernate, Spring, Linux

Responsible for resolving problems on over 30 web sites using JSP, JSTL, Struts, Hibernate, Spring. Also responsible for finding, evaluating and recommending troubleshooting and profiling tools.

Upgraded sites to latest version of Java, Tomcat and Struts to provide a consistent platform and reduce the number of tickets.

Decreased production load time and increased frequency of loads: resulting in faster delivery of production code to customers.

Reduced the number of Java tickets from 350+ to roughly 100.

**Education**:

Masters of Science, Engineering Management

University of Central Florida, Orlando, Florida

Bachelors of Science, Computer Science

University of Central Florida, Orlando, Florida