

Thomas E. Michaud
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<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 through 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