Profile of

michael davis

Mr. Michael Davis is a Senior Software Architect/Developer with over 30 years of experience in the Information Technology industry. He holds a B.A. in Computer Science (Honours) from York University, and was in the top 5% of his year.

He most recently worked as an Associate Architect/Senior Developer at Solace Inc (<https://solace.com)> , a leader in messaging and event mesh technology. There he helped design and implement the Event Portal, a tool for managing Event Driven Architectures.

He had previously recently worked as a contractor for various Canadian government departments.

Mr. Davis has extensive experience developing a wide range of information systems using a variety of languages and frameworks, but with a primary focus on Enterprise Java technologies. He is proficient with Docker and has experience with cloud environments and Kubernets.

Mr. Davis is a dedicated and highly motivated professional who is committed to the delivery of high quality results. He works well independently or in a team environment and would make an excellent addition to any project team. Mr. Davis’s entrepreneurialism and professionalism have been demonstrated throughout his career. As a dynamic individual, he displays initiative, effectiveness and reliability. He is results-oriented, effective at multi-tasking and a team player with a proven track record.

**Security Clearance:** Secret (Expires: 2026-02-04)

**Language:** English

SELECTED ASSIGNMENTS

## Solace corp

**Role**: Associate Architect

**Project**: Event Portal

**Duration:** Nov 2020 to Nov 2023

**Project Description:**

Event Portal is an enterprise application that lets users design and manage their Event Driven Architectures. It has a rich web client front end, and a REST based Java back end. Mr. Davis was responsible for much of the design and implementation of the back end.

**Tasks Performed:**

* Let the design and implementation of the Audit system, used to compare the configuration of event brokers with their representation in the design tool.
* Developed the Java REST-based back end using Spring Boot
* Designed and build the supporting database schemas using Liquibase and MySql.

**Technical Environment:**

Spring Boot, Solace Messaging, MySql, Docker, Kubernetes.

## Solace corp

**Role**: Senior Software Developer

**Project**: Cloud Integration

**Duration:** Nov 2016 to Nov 2020

**Project Description:**

Mr. Davis worked on the team responsible for getting the Solace PubSub+ Message Broker working in cloud environments such as Pivotal Cloud Foundry (PCF), Kubernetes, Amazon Web Services, Google Cloud Platform and Microsoft Azure.

**Tasks Performed:**

* Added features to the PCF Solace deployment such as tcp routing to allow PubSub+ within a PCF environment to connect to outside systems
* Helped maintain Jenkins build scripts
* Helped diagnose customer issues

**Technical Environment:**

PCF, Linux, Java, Concourse, Jenkins, Vagrant, VirtualBox, bash

## Innovation, Science and Economic Development Canada

**Role:** Enterprise Java Developer/Software Architect

**Project:** Research and Development, Software Integration Branch

**Duration:** March 2016 to Nov 2016

**Project Description:**

Mr. Davis is investigating the viability of using Docker, Mesos and DC/OS as a deployment platform for Government of Canada JEE applications, as well as helping set up infrastructure to be used by the various software development groups.

Tasks Performed:

* Dockerized Java applications, all of which were based on Spring and Hibernate
* Deployed applications on Azure, Mesos, Chronos and Marathon
* Implemented centralized logging using Graylog2
* Set up automated, browser-based integration testing using Selenium, Mesos and Bamboo

Technical Environment:

Docker, Azure, Mesos, Marathon, Chronos, DC/OS, Bamboo, Graylog2, JEE, Spring 3.2, Git, Maven, Hibernate, PostgreSQL.

## CORRECTIONAL SERVICES CANADA

**Role:** Enterprise Java Developer

**Project:** RITA – Recruitment Initiative Training Assessment

**Duration:** Dec 2015 – March 2016

**Project Description:**

Mr. Davis developed a Java application for maintaining and reporting on test results for candidates applying for jobs in Correctional Services. The application supported the scanning of test sheets, and automatically scored them and reported the results.

Tasks Performed:

* Java development
* Client-side web development
* Translated user requirements into working software
* Unit tested
* Database design and development

Technical Environment:

JEE 6, Tomcat EE Plume 7, Oracle 12, JSF 2, JavaScript, jQuery, Primefaces 5, EclipseLink, Spring Security, Jazz (for version control and task management)

## Translation bureau

**Role:** Enterprise Java Developer

**Project:** Web Editor, IIS

**Duration:** February 2014 – Nov 2015

**Project Description:**

Developed Java applications for government translation services. The Web Editor is a rich-client web application that translators use as a specialized editor. Mr Davis made enhancements to the product both in the user interface and to the back-end code. The application relies heavily on client-side frameworks such as jQuery and Primefaces, and the backend uses the Spring framework as well as services written using the JAX-RS REST web services framework.

IIS, the Integrated Information System, is what the Translation Bureau and their clients use to submit and maintain translation orders. Mr Davis developed a module that allows clients to submit documents for translations, and provides a cost and time estimate on the fly. This was written in EJB, JSP and a custom framework using Servlets.

Tasks Performed:

* Java development
* Client-side web development
* Translated user requirements into working software
* Unit tested

Technical Environment:

JEE 6, WebLogic 10.3, Tomcat, Oracle 12, JSF 2, JMS, JAX-RS, Spring 3, JavaScript, jQuery, Primefaces 5, Hibernate, Maven, Spring

## Loch Investments

**Role:** Architect/Programmer/Analyst

**Project:** Broker Business Manager

**Duration:** Aug 2012 – June 2017

**Project Description:**

Broker Business Manager is a suite of web applications that is used by real estate offices to manage listings, tasks, human and other resources. It is written on the JEE platform. Mr. Davis is engaged as a Programmer/Analyst and Architect, developing these applications.

The applications are currently being reconfigured to run on Docker and Amazon Web Services.

Tasks Performed:

* Defined the architecture of a multi-application Java 1.6/JEE system. Presently the system is in production and is being used by real estate brokers and office staff
* Wrote server-side and client-side code
* Created the development environment including Git repositories
* Implemented SAML-based security using Picketlink
* Researched and selected components for document and task management
* Designed and built the relational database
* Developed a subsystem that works as a stand-alone report generator microservice and provides a REST-based web user interface. This is used as a sub-system by the main application
* Architected and developed server components: Designed and developed container managed beans (both Enterprise JavaBeans and JSF managed beans) that implement the business logic as well as the object persistence layer using JPA entity classes
* Developed the user interface using JSF and PrimeFaces
* Used JUnit to test the application
* Used Log4j for reporting run-time exceptions
* Was responsible for deploying the application on the client’s linux production servers
* Rearchitected and successfully redeployed the applications on Docker and AWS.

**Technical Environment:**

Docker, AWS, Java 1.8, Wildfly 9, Netbeans 8, MySql 5, Java Server Faces 2.2, Primefaces 5, iReport, Jasper Reports, Linux, Picketlink

Prior to that Mr. Davis did several years of contracting work for the Government of Canada. Before that he worked for about ten years developing software in the Toronto financial community.

|  |
| --- |
| **EDUCATION AND TRAINING** |

***Education***

|  |  |
| --- | --- |
| B.A. Honors, Computer Science | York University, 1994. Top 5% in graduating class. |

***Certifications***

ITIL Foundation

|  |
| --- |
| Sun Certified Java Programmer |

***Training***

|  |
| --- |
| Project Management course, Shulich School of Business |

TECHNICAL Skills include:

|  |  |  |
| --- | --- | --- |
| **CLOUD PLATFORMS**  Kubernetes, Pivotal Cloud Foundry, Amazon Web Services, Microsoft Azure, Mesos, Marathon, Chronos, DC/OS, Docker  **DEVELOPMENT TOOLS**  IntelliJ, Eclipse, IBM WebSphere Studio, NetBeans, Matisse, JMeter, Ant, Maven, Jasper Reports  **LANGUAGES**  Java 17, C/C++, Perl 5, bash, PhP, SQL, PL/SQL, some JavaScript and Python  **APPLICATION FRAMEWORKS**  Spring Boot, Spring Framework,  JSF 2, Primefaces 5,  Hibernate 3,  Flex 1.5, Struts 1.2,  WebWork 2.2.5 | **service oriented ARCHITECTURE**  EJB 3.0, JAX-WS, JAX-RS, Axis2 1.2, Rampart 1.2 WSS4J 1.5.2, SOAP, WSDL, WS-Security, Hessian  **SOFTWARE APPLICATIONS**  OpenOffice, iReport, FrameMaker, MS Office  **methodologies**  Agile, The Unified Process,  Object Oriented Analysis/  Object Oriented Design | **OPERATING SYSTEMS/ SERVERS**  Solaris, Linux, Docker, AWS, Azure, DC/OS, OS/X, Windows  **JAVA APPLICATION SERVERS**  Wildfly 9, Weblogic 10, Websphere, Tomcat, Glassfish 3, Oracle oc4j  **DATABASES**  Oracle (including stored procedures), MySql, some PostgreSQL, Access, SQL\*Plus, ERWin, TOAD/SQL Navigator, SQL Developer  **CASETOOLS**  MagicDraw, AndroMDA, Rational Rose |