**Anthony Francis**

602.819.2687

softwareautomaton@gmail.com

https://github.com/franciscomancan/resume

**- Qualifications -**

Detail-oriented IT professional; experience and education to leverage a versatile skill set in software engineering and data integration. Solid experience in enterprise architecture, development, automation and analytic solutions

**- Highlights -**

* Integration, business logic, messaging, batches, rules engines, APIs
* Back-end web application development on distributed architectures and platforms
* Extensive sql and data support for analytics & business intelligence
* Front-end development of web/desktop/graphical user experiences
* Cloud and microservices orchestration for predictive modeling delivery

**- Technical Exposure -**

*Looking to challenge myself with new tricks, languages and tools as better solutions present themselves...*

*Langs*: Java (v1-17), Kotlin, Python, Groovy, Gosu, Scala, Javascript, some C#/C++

*Apps*: Java Enterprise, Spring, AWS, Cloud, GCP, Kafka, JMS, REST, Solr, WS\*

*Datastores*: Design, scripting, optimization - MSSQL, Oracle, MySql, Postgres, DynamoDB, MongoDB, Teradata, H2

*SCM*: IntelliJ, Eclipse, NetBeans, Rational, Visual Studio, Jupyter, TOra\Toad, CVS, SVN, Gradle, Ant, Maven, Nexus, BitBucket, Jira, Git, Jenkins, Ansible

*Modeling*: relational, object-relational, object-oriented, noSql, ORM, EER, UML, ODL

**- Work History -**

*Software Engineer 5, Prime Therapeutics* **|** 2.2022 – Current

* Pharma big data batch processing/analytics (Kotlin, Spring Boot/Batch)
* Distributed/grid compute tasks and caching (Java 8/11, Ignite/Gridgain)
* Large-scale refactoring & GCP migration, pipelining/reconciliation with Kafka/BigQuery
* GitHub/Actions migration from BitBucket/Jenkins, Docker local
* Reactive frontend and microservices (Vaadin, VMWare Tanzu, some React.js)
* Datastore query/index/version/ETL/partition (MongoDB, Mssql, Teradata)
* Develop, POCs, refine, mentor, review, pairing and team development/hiring
* Acceptance, Integration and Unit testing (Junit, Cucumber, Mockito, Mockk, Kotest)

*Sr. Application Development Lead, Copperpoint Insurance Cos.* **|** 7.2015 – 2.2022

* Implement/optimize/maintain policy platform & integrations (Java, Gosu, Sql, Git)
* Middleware, services, orchestration (Spring, CXF, Mule, AWS Lambda/Dynamo/S3)
* Analytics pipelining and derivation for predictive models (Jupyter, Python, Dataframes)
* Technical leadership role, POCs, estimates, interviewing, collaboration, mentoring, documentation, diagramming
* Architecture, production, release and triaging (Splunk, aggregation..)

*Application Developer III, CSAA Insurance (AAA)* | 7.2011 – 7.2015

* Integration developer, several integrations, clustered solution, claim/policy domain
* Financial integration lead, automated check lifecycle, general ledger, ETL
* Enterprise Integration Patterns (MQ), event-driven, rules engine, batching
* Guidewire insurance platform (Certified 6&7), SOA, Middleware
* Scrum master, team mentor, reviewer, SDLC, triaging
* Model Audit, documentation, best practices and socialization

*Software Developer III, Quest Software (Dell)*| 12.2009 – 7.2011

* Agent architecture, R&D, VM monitoring of Microsoft AD, Exchange, MSSQL
* Cross-platform & native (Java, LDAP, SMB, WMI, SNMP, IPC, Registry…)
* Review/debug/translate C++/C# implementation into platform-indie logic
* Development and management of the SCM and builds for the project (Ant, SVN)
* Debugging/test against virtual environments VMware ESXi (vSphere)

*Lead Developer (startup), Concept Solutions LLC* | 10.2008 – 11.2009

* Architect/develop web application services and view (Spring, Hibernate, Json, Hsqldb, Junit, Tomcat) for mobile Point-of-Sale system
* PDA/mobile client (J2ME, Midlet, CLDC)
* Debugging against the Windows CE 6 platform
* Administrative GUI (Javascript, Mochikit, Css, Ajax, izPack, Swt/jFace, python)

*J2EE Development Consultant, Pearson Inc.* | 3.2008 – 10.2008

* LMS Desktop application enhancement and maintenance (Swing)
* Jasper reporting (Axis, Hibernate, Jdbc, Postgres, Junit, Applet, Tomcat)
* Branching strategy for patched releases (SVN), version management
* Debugged/refactored/tested code for numerous fixes

*Systems Development Consultant, Avnet Inc.* | 10.2007 – 3.2008

* 4th-quarter implementation, financial/rebate data (FICO rules engine)
* Database debug and optimization (Oracle, partitions/procedures)
* Re-released CSV-based financial adjustment system (J2EE, zkTookit)
* Debugged/refactored/tested code for numerous fixes
* Released modifications on WebSphere container (IBM/Rational suite)

*Development Consultant, Arizona State U.*| 3.2007 – 10.2007

* University directory, architectural refactor, tier leakage, scalability issues (Hibernate, Servlet, Jsp, Velocity, Ldap)
* Web 2.0 and ‘graceful degradation’ (OO Javascript, DOM, CSS)
* Tagging/folksonomy engine, proof (Spring, REST, MySql)
* UI dev on the LAMP stack (Ajax, jQuery, Trimpath, Html, OO Php)
* State library/publication SOAP services (Axis, J2EE)
* Debugged/refactored/tested; Tomcat and WebSphere platforms

*Software Engineer, KnowledgeNet/NETg/Thomson Inc.* | 11.2004 – 3.2007

* B2B migration - file to database (J2EE, Oracle, RMI)
* Secure optical media (Javascript, ActionScript, Spring/Struts, Hibernate, Applet)
* Refactored for 508 standardization (Flash, velocity, JAWS reader)
* BI, statistics and ETL against the database (Sql, Python)
* Educational content indexing and searching (Lucene, ActiveMQ)
* Swing GUI, authoring and publishing(Swing, Jdbc, messaging)
* Distributed system communication (ActiveMQ, Spring, Oracle. Toplink)
* Large team, continuous integration (Tomcat, CVS, SVN, Maven, Linux, Localization…)

*Web Consultant, Woodworkers Source* | 9.2004 – 11.2004

* UI and database development (Php, MySql, SqlServer, Html)

*Web Developer, Bi-Weekly Mortgage Association* | 7.2004 – 11.2004

* UI and animation development (Actionscript, Adobe, Html)

*Web Developer, DKDG Inc.* (Commercial Real Estate Dev.) | 4.2004 – 7.2004

* UI development and search-engine optimization (Html, Flash, Actionscript, Adobe)

*Web Consultant, BCRx Inc.* (Pharmaceutical) | Fall of 2002

* UI, e-commerce & animation (Html, Css, Flash, Adobe)

**- Education -**

Professional Development

2023, GCP Architecture & Data Engineer Professional prep

2023, Company training with GCP and Confluent Kafka

2021, Mulesoft Anypoint Platform 4 Fundamentals - Training and assessment

2020, Scala and Spark for Big Data and ML (Udemy)

2020, OWASP standards and awareness (Udemy)

2019, Spring Professional - Training (Pivotal)

2019, CERT Secure Coding in Java - Certified (Carnegie Mellon University)

2015, Java SE 8 Programming Ed1 - Training (Oracle University)

2011, Insurance Suite 7 - Technical Certification (Guidewire)

B.S. in Computer Science - 2004, Fulton School of Engineering, Arizona State University, focus on Software Engineering & Database Design/Implementation

Coursework: advanced databases, multimedia systems, data mining, distributed systems, networks, software engineering theses (both .NET and Java), embedded systems

Associate Credit, Scottsdale Community College, Arizona

Diploma, Arcadia High School, Arizona