

# Anthony Francis

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<https://github.com/franciscomancan/resume>

## - Qualifications -

Detail-oriented IT professional; experience and education to leverage a versatile skill set in software engineering and data analysis. Solid experience in enterprise architecture, design, development, automation and analytic solutions while working with diverse colleagues

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## - Highlights -

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

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## - Technical Exposure -

*Looking to practice and learn as better solutions present themselves... interested in new tricks, languages, tools, models, etc..*

Langs: Java (v1-11), Python, Groovy, Gosu, Scala, PHP, Javascript, C#/C++, Prolog, Lisp

Apps: Java Enterprise, Spring, AWS, JMS, REST, Json, Lucene, Solr, WS-I, RAML

Datastores: Design, scripting and optimization on Oracle, SQL Server, MySQL, Postgres, Cassandra, DynamoDB

SCM: Eclipse, NetBeans, Rational, Visual Studio, IntelliJ, TORA\Toad, CVS, SVN, ClearCase, Ant, Maven, Nexus, Bugzilla, Jira, JAM, Git, Jenkins

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

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## - Work History -

Sr. Application Development Engineer, Copperpoint Insurance Cos. | 7.2015 – Current

- 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, AgentRansack)

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 collaboration
- 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 deployment technology, R&D directed at virtual hosting of Microsoft Active Directory servers, Exchange environments, SQLServer and related products
- Automated monitoring with both standardized and platform specific methods (LDAP, SMB, WMI, SNMP, IPC, Registry concepts, authentication, etc.), Java
- Review/debug/translate C++/C# implementation into platform-indie logic
- Development and management of the SCM and builds for the project (Ant, SVN)
- Debugging and testing against virtual environments maintained and managed on the VMware ESXi platform (vSphere)

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

- Architect and develop web application services and view (Spring, Hibernate, Json, Hsqldb, Junit, Tomcat) for mobile P.O.S. 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

- 4<sup>th</sup>-quarter implementation, internal financial/sales incentive system (FICO Blaze Advisor rules engine, Oracle partitions, SQL Functions & Procedures)
- Re-released CSV-based financial adjustment system, full lifecycle (J2EE, zkToolkit)
- Debugged/refactored/tested code for numerous fixes
- Released all modifications on the WebSphere container (RAD, ClearCase)

Development Consultant, Arizona State U. | 3.2007 – 10.2007

- Architectural refactoring/optimization of public directory system for tier leakage and scalability issues, interfacing with University LDAP, distributed web services, the Google Search Appliance and a database (Hibernate, Servlet, Jsp, Velocity)
- Web 2.0 and 'graceful degradation' development (OO Javascript, DOM, CSS)
- Tagging/folksonomy engine creation for internal usage (Spring, REST, MySQL)
- UI dev over SSL on the LAMP stack (Ajax, jQuery, Trimpeth, Html, OO Php)
- XML web service integration for state library/publication services (Axis, J2EE)
- Deployed all applications on both Tomcat and WebSphere platforms
- Debugged/refactored/tested code for numerous fixes, SCRUM methodology

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

- B2B product migration service, (J2EE, Oracle, Toplink, RMI, Ftp), proprietary file formats/databases
- Secure media project (Javascript, ActionScript, Spring/Struts, Hibernate, WebStart, Junit)
- Refactored global code for 508 standardization (Flash, velocity, JAWS reader)
- General BI, stats, reporting and ETL against the database (Sql, Python)
- Dev/maintain Prof. Services solution (Sun Microsystems) for content indexing and searchability (Lucene, ActiveMQ)
- Developed/refactored GUI for content authoring and publishing across network (Swing, Jdbc, messaging)
- Debugged/maintained all aspects of high-traffic, distributed and clustered web application using a hybrid of home-grown piping and open-source frameworks (Spring, XML, Oracle), 'fire-fighting'
- Distributed learning (SCORM, AICC)
- Large team (30+ engineers), telco virtual classroom (WebLogic, Tomcat, CVS, SVN, Maven, Unix, Branding, Localization, etc.)

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)

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## **- Education -**

### Professional Development

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 projects 1&2 (both .NET and Java), embedded systems

Associate Credit, Scottsdale Community College, Arizona

Diploma, Arcadia High School, Arizona