

SEASONED SOFTWARE ENGINEER seeking application software development opportunity. Extensive experience in application & embedded system design, technical requirements analysis & integration, and management of software developers & QA engineers. Core competencies lie in organizational skills, independent learning, balancing of high-level project priorities with attention to technical details. US Citizen. <https://github.com/liberostrategies/Portfolio> (Android Jetpack Compose App)

ASRC Federal

Moorestown, NJ

PRINCIPAL APPLICATION SOFTWARE ENGINEER

8/23 – Present

Develop and sustain U.S. Navy Aegis Weapons System. Secret Security Clearance. *Java, Swing, C++, Gtk, Redhat Linux, Eclipse, Git, ClearCase, DOORs, Jira, CICD.*

DeNovix, Inc

Wilmington, DE

SOFTWARE ENGINEER

8/17 – 6/23

Developed Qt apps for life sciences lab instruments running Yocto Linux and C++ firmware on Raspberry Pi devices. Maintained production applications by coding enhancements and resolving field issues. *Qt5, QML, C++, JavaScript, Kotlin, Java, GitHub, SQLite, UML, Lucidchart, Python, Qt Creator, GammaRay, Visual Studio, Android Studio, Raspberry Pi, Ubuntu Linux, MacOS.*

- Led UI development by creating and maintaining QML View Control library reused and customized by multiple applications.
- Migrated legacy flagship Android application UI to Qt/QML/C++ codebase.
- Evaluated, coordinated, and participated in Qt/QML/C++ architecture common code refactor effort of production software.

Libero Strategies, LLC

Deptford, NJ

ANDROID DEVELOPER (Part-Time), OWNER

2/16 – Present

Develop Android mobile and wearable applications for volleyball scoring. Gather requirements in the field while actively listening to players needs. Craft automated unit & integration tests. Utilize software to develop graphics and marketing video clips. Document system design in UML. Manage release package for deployment to Google Play. Author and maintain static websites for company & clients on AWS platform. *Kotlin, Kotlin Multiplatform, Jetpack Compose Multiplatform, Wear OS, Java, RealmDB, Google Billing API, REST, Android Studio, Visual Studio, Atom, GitHub, UML, Lucidchart, Design Pattern, Test Driven Design, JUnit, MockK, Espresso, JSON, Gimp, OpenShot Video, AWS S3/Route53, Android Certified Application Developer (AND-401).*

- Converting app to Kotlin and Compose Multiplatform from XML views.
- Converted app to 100% Kotlin from Java abiding Android App Architecture.
- <https://play.google.com/store/apps/details?id=com.liberostrategies.wristawayscoring>

Amtrak

Wilmington, DE

SENIOR SYSTEMS DEVELOPER

4/15 – 8/17

Integrated Quintiq COTS package for labor management business process. Verified development procedures with integration team of contractors, enforced coding standards, and examined customized code. Reviewed object models & detailed design specs against Amtrak requirements. Created Python scripts to automate routine promotion of Quintiq code from Dev to Training AWS environments. *UML, GIT/BitBucket, SVN, ALM, SharePoint, MuleSoft, WebMethods, XSLT, REST, Python, Quintiq/Quill, Certified Level 1 Quintiq Specialist.*

- Developed and deployed Quintiq RESTful web service to parse JSON requests from Train Employee Kiosk Survey and store results into Quintiq database.
- Developed Quintiq RESTful web service to process requests and return JSON responses for Crew Manifest Test Tool.
- Converted web services in WebMethods to MuleSoft.

ModSolar

Philadelphia, PA

DEVELOPER

10/14 – 4/15

Developed web apps with Spring framework for solar installation industry. Participated in 2-week agile scrum release cycle serving domestic and international customers. Documented code deployment procedures. Introduced and cultivated agile scrum methodologies to company. *Java, Spring, UML, JSON, REST, XML, Agile, MySQL, Tomcat, CSS, HTML, JSP, JavaScript, Eclipse, SVN, GIT, Maven, MediaWiki, YouTrack.*

- Generated PDF proposals and contracts that interface with external lease and loan financing programs, PV performance estimators, and credit check systems using Java iText.

- Developed personalized postcard landing page application to redirect customer leads into ModSolar Platform and authenticated them into live customer database.
- Analyzed specs for new solar inverter activation system, reviewed vendor API design, and provided development work break down & estimates for other team members.

Comcast

Philadelphia, PA

SENIOR INTEGRATION ENGINEER (IntePros Consulting)

9/12 – 9/14

Tech Lead for video customer premise equipment normalization project. Managed reviews and delivery of use cases, test cases, and test report results for Legacy and X1 video equipment with external vendor & internal integration test groups. Assessed Legacy field issues and reviewed release code, defects, and test reports among set-top box vendor manufacturers, Comcast national operations, TV program guide developers, and system test groups. *Agile Scrum, ALM, Rally, Jira, SharePoint.*

MANAGER, PRODUCT DEVELOPMENT

Radnor, PA 1/06 – 1/12

Managed support team & maintenance releases for deployed digital interactive TV program guide in new Open Cable Applications Platform (OCAP) tru2way network. Collaborated with joint ventures to forecast program roadmaps and analyze technical dependencies. Facilitated engineering discussions with global set-top vendors to triage issues and resolve defects. Supervised, coached, and conducted bi-annual performance reviews for developer & QA engineer direct reports. Compiled and authored software release notes. *Agile Scrum, UML, XML, SQL, Java, Eclipse, SVN, CVS, Rally, ALM, Jira, DOORs, SharePoint.*

- Deployed two digital Java-based cable guides from initial design stages to market release by leading agile teams as Scrum Master for 24 engineers for Digital Video Recording, Video On Demand, Pay Per View, Configurable Data, and GUI features.
- Led and coordinated Tiger Team of internal engineers and external vendors to identify & address performance issues, optimize & monitor Java Guide Applications, and redefine requirements.
- Designed course content, budgeted, and coordinated Intro and Advanced Java, Technical Writing, and UML training programs with Pennsylvania State University for 60 engineers.

STAFF ENGINEER

Radnor, PA 10/04 – 12/05

Developed Scalable Vector Graphics Java parser and rendering engine to follow W3C specifications for mobile profile Tiny 1.2. *Java, UML, XML, SQL, Eclipse, CVS, SVN, DOORs.*

Pennsylvania Institute of Technology

Media, PA

ADJUNCT INSTRUCTOR (Part-Time) Taught Programming Fundamentals course for 20 college students. Used Alice Programming Application to introduce object-oriented concepts to 1st-year students to build objects in 3D animation. Emphasized storyboard identification of objects and functions from requirements specs. *Java, Alice.*

1/13 – 5/13

L-3 Communications

Bristol, PA

SENIOR SOFTWARE ENGINEER Implemented communication and graphical interfaces for data acquisition software interaction with telemetry hardware. Supported customers by troubleshooting issues and discussing feature enhancements. *Java Swing, Visual Basic, Windows CE PDA, SCJP 1.4.*

4/02 – 10/04

Unbound Medicine

Media, PA

JAVA SERVER PROGRAMMER Designed, developed, and maintained web and wireless medical information systems in Journal Search and Disease Diagnosis apps for health care professionals and researchers. *Struts, Java servlets, JSP, MySQL, Tomcat, XML, XSLT, EJB, Palm VII web clippings.*

8/00 – 3/02

Concord EFS

Wilmington, DE

SENIOR PROGRAMMER/ANALYST Developed Point-of-Sale MasterCard & Visa, Online Debit Card Transaction Systems for 20,000 financial institution customers for global Money Access Card (MAC) Automated Teller Machine Network. *Java applets, Tandem middleware.*

7/99 – 8/00

PROGRAMMER/ANALYST Configured middleware application to allow webserver integration with core legacy systems. Coordinated Y2K Compliance QA effort for cardholder and transaction report delivery apps. Devised Unix shell and Web Reporter scripts to analyze webserver statistics for at least 300,000 daily transactions.

4/97 – 7/99

QA ANALYST Maintained version control and change management for client/server applications. Composed master test plans for system certification testing. *ClearCase, XWindows.*

7/96 – 4/97

Drexel University

Philadelphia, PA

BACHELOR OF SCIENCE, MATHEMATICS

1996

Concentration in Probability & Statistics. Minor in Computer Information Systems. *Scholarships: Deans, Philadelphia City.*