**SRINATH PITTA**

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­­­**Summary:**

* Over 10+ years of Designing, Developing and Testing experience in High volume Enterprise Applications.
* Solid Track record in Requirements Gathering, Scope and Business Analysis with Worldwide Customers. Proven abilities in Quality Assured Deliverables, Source Code Configuration Management, Process Implementation, Test, Build & Deploy Automation and Release Management. Following Agile methodology and DevOps Standards.
* Over 4+ years of experience Mobile Developing in iOS, Swift, Objective-C, Cocoa Touch, Core Data, Core Services, WatchOS, Apple Touch ID, iOS Keychain, Data Protection technics and Mutual Authentication.
* Over 3+ years of experience in C++, COM, Qt, Boost, Linux Shell scripting, Windows Biometric Framework. Experience in using, shell scripting, Data structures, IPC, RPC, Memory Management, Process Management, TCP/IP Sockets on Linux and Windows platforms. Exposure to Digital Image/visualization/ rendering with OpenGL/OpenGL-ES.
* Over 2+ years of experience in Java, Spring MVC,REST, ActiveMQ, Android SDK,Android Wear, Android NDK, Samsung Pass SDK, Oracle 11g. Exposure to R-Programming/R-Studio implementing machine learning techniques and Security standards PKI X.509, 3DS.
* Over an year experience in HTML, JQuery**,** AngularJS, & Services using NodeJS, C#, Jenkins, .NET, PKI, SSO, OAuth 2.0 and SAML 2.0, Exposure to SQLCipher, RNCryptor, Xamarin, PhoneGap, Titanium, Appcelerator.
* Versatile and adaptive to work in different platforms and programming languages based on project requirements. Strong written and oral communication and interpersonal skills to interact with developers, analysts, Business owners, and managers and executives to discuss requirements and recommended solutions and help resolve issues on time. Strong analytical, problem solving and multi-tasking abilities with proven record to contribute significantly to projects as an independent contributor and in a team environment.

**Technical Skills:**

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| --- | --- |
| Domain | Financial Services, e-Commerce(Retail), Semi conductors, Automotive |
| Languages | Java, C, C++, Objective-C, C#, Swift, VC++ |
| IDE | XCode, Eclipse, Sun Studio, Instruments, Android Studio |
| Framework/packages | Cocoa Touch, Boast, JQuery Mobile, Qt, HTML5, Visual Studio, Java Spring 3.0, Android SDK/NDK, Daon Mobile SDK, Ruby on Rails, GHUnit, OCMock, MTF, Xamarin, Appcelerator, PhoneGap, AngularJS |
| Scripting | Shell Scripting, Java Script |
| DBMS | Oracle 11g, SQL Server 12, SQLite |
| Tools | XCode 8.0, Putty, [SoapUI](http://www.soapui.org/), Maven, GIT, SVN, Perforce, CVS, |
| Operating System | Mac OS X 10.0, Linux, Solaris, Windows 10.0, iOS 10.0, Android 7.0 |
| Web Server/Server | Tomcat, JBoss Application Server, Node & Grunt Server, SharePoint Server |
| Other Tools | JUnit, SOAPUI (XML), POSTMAN(REST/JSON) |
| Modeling Tools | Visio 2013, PowerPoint |

**Educational qualification:**

* Bachelor of Technology, CS & Information Technology from JNTU, Hyderabad, INDIA (2000-2004)

**Professional Experience:**

**MASTERCARD, O’Fallon MO Dec‘14 –Till date**

**Lead Mobile Developer**

**IC SDK/Apps for secure code Authentication:**

The apps integrated to SDK used for Authenticating transactions with the help of Biometrics (Face & Fingerprint) of the User. These apps help reduce online fraudulence transactions in Card Not Present situations and shift the liability from merchant to the User.

**Responsibilities:**

* Involved in the Designing, Development and Code review of the project and coordinating global teams and various stakeholders for End-to-End deliverables. Involved with Penetration testing team, raising requests and closing issues with Apps. Involved and attended Pilot launches and provided enough support during outages.
* Code review and Enhancements with mobile apps code and providing architectural Visio diagrams on demand.
* Apps Review with Business team and providing solutions/clarifications on apps/Full stack functionality.
* Engaged with Sapient for UI assets identification and necessary follow-ups.
* IOS and Android App development for Service provider ACS and web interface than standalone apps.
* Used UIKit for the development of UI development in iOS, implemented customized procedures for the development of UI. Integrated various third party libraries for graphical Interface. Developed SDK which integrates to NFC payment Apps.
* Involved in rich user interface with dynamic fragments for Android devices. Used Various Activities, Content Providers, Broadcast receivers, and Services. Used Async tasks and Alert Notification API, Shared Preferences, Push Notification Service and Intents.
* Used Pinning Certificates & Encryption for the data communication.
* Code review and identifying the solutions for testing and identifying procedures for Build Automation.
* Used Daon SDK for Face Matching Logic, Samsung (Synaptic Natural ID) Pass SDK, IOS Touch ID.
* Test Merchant site development and Enhancement using Java, JQuery and HTML5.It’s used for Usability, Automation and Manual Testing.
* Interacting with vendors based upon needs and updating push notification keys during Initial env setup and Releases. Identifying throughput of the servers and configuring for the Notifications.
* Test case review with QA and Business Analysts.
* Setup environment And analysis of sonar reports for android and Instruments for iOS. Used Memory Profiling & Sonar Qube for memory leak identification.
* Developed webpages for DevCloud /Labs apps download and documented steps.
* Involved with Pen testing team, raising requests and closing issues with iOS, Arti-factory, Android, CSC web admin portal. Aligned with them to find security threats and vulnerabilities in the applications. Engaged with NCC Group for external pen testing.
* Involved with InfoSec team in necessary approvals and DevCloud team for various certification issues.
* Engaged with various team and helped them understand and create certificates and push notification keys in the developer portals and apps submission. Engaged with various teams across to get access permissions to Web Admin tool from CSC and Bluecoat exceptions.
* Involved and attended Pilot launches and provided enough support during outages.
* Designed architecture for online community User participation in existing pilot.
* Engaged with Insights team in C# code for developing non-financial transactions which eventually generate push notifications.
* Communicated business plan for ICS, FTFCU and BMO Pilots and coordinated with offshore to meet timelines and committed deliverables.
* Onboard training for new resources and engage them in deliverables.
* Business requirement for ACS Opus consulting for Test Merchant site on I&II Phases. Provided Approach for the installation of software on various platforms. Windows, DevCloud etc.
* Involved in stage deployments and necessary follow-ups.
* Used UIKit for the development of UI development, implemented customized procedures for the development of UI. Integrated various third party libraries for graphical Interface.Used Encryption standards and Certificates Pinning.
* Identifying solutions for testing and identifying procedures for Build Automation.Test case review with QA and Business Analysts.Apps Review with Business team and providing solutions/clarifications on apps functionality.UI assets identification and necessary follow ups.
* Designed the complete MVC flow for the application with UI components and controllers to be used for iPhone. Customizing UI controls. Worked with UIKit Framework for development and maintenance.
* Developed critical tools for the project like customized Navigationbar, Pagecontrol and scroll view.
* Worked extensively on table view controller and made customized table view cells according to the client
* Added animation between UIViews for smooth transitioning and better user experience.
* Created of various views, table views, customized views and popovers.
* Developed Navigation between views was mixture of using UI Navigation Controller, UI Gesture Recognizer and UI Popover Controller.
* Test Merchant sites development, Enhancement using Java, JQuery and HTML5, NodeJS, AngularJS used for Usability, Automation and Manual Testing.

https://itunes.apple.com/ie/app/identity-check/id1027049597?mt=8

https://play.google.com/store/apps/details?id=com.mastercard.identitycheck.ics&hl=en

**Environment:**

Mobile: iOS 10.0, Swift 3.0, Objective-C, XCode 8, Cocoa Touch, Android SDK.

Biometric Server:Java, Spring, Servlets, JSPand Java web Services, Oracle and JQuery

Test Server: AngularJS, NodeJS andSQL Server 12

Online Community Portal for User Experience: C#, ASP.NET, WebAPI and SQL Server 12

**Medtronic Corporation, Mounds View, MN Jul‘14 – Nov’14**

**Lead Mobile Developer**

**Virtual Vega:**

Virtual Vega is a home monitoring system that replaces the existing component with patient’s phone or tablet running a home monitor application. Virtual Vega consists of a RF Head, a Home Monitor Application, and Patient’s smart phone or tablet. This App developed for Collecting, Processing of the Implantable Devices through RF Head Bluetooth. Virtual Vega interfaces with existing implantable medical devices and their corresponding Care Link applications. Connections to the implantable devices are made using Medtronic’s proprietary telemetry. The home monitoring system installed on smart phone communicates with RF Head subsystem using Bluetooth (BLE). The Patient’s smart phone or tablet communicates with Care Link via Wi-Fi or Cellular network. It has three layers. Native layer, which is, developed specific to a platform. Hardware Layer developed in C, C++common across all the platforms.

**Responsibilities:**

* Involved in the development of project settings creation to support multiple targets which will be used for

Testing and stubs development.

* Changed the couple of UI Alert interfaces to support iOS 8 and Localizations.
* Integrated a UI-based content made with HTML5 on a Native app using UI WebView
* Worked with UIKit Framework for development and maintenance. Used Multipeer Connectivity framework to collaborate the surgeries.
* Designed apps following MVC architecture and other concepts like Delegation, Protocols and Categories
* Architected apps that utilize memory efficiently and debugging memory issues with Instruments.
* Developed Bluetooth adapter module using Core Bluetooth Framework of iOS that communicates with RFHead.
* Designed and implemented delegate design pattern where Bluetooth modules notifies both native (C++) and managed (Obj-C) modules regarding the Bluetooth status and data.
* Used iOS Crypto-engine and OpenSSL libraries for data encryption and decryption.
* Involved in the implementation of network module that handles all the upload and server authentication challenges.
* Designed an Intelligent Asynchronous Cache Manager to separate the UI code from Service call Code.
* Formatted the Data as per Business rule to display in UI. Created models in MVC and development of delegates for updating model information.
* Involved in the custom phone-gap plug-in modules for handling the multiple messages from UI modules.
* Implemented the QRCode module using AVFoundation framework to provide the facility for QRCode scanning.
* Created various automated testing tools for performance evaluation.

<https://play.google.com/store/apps/details?id=com.medtronic.mcls_us&hl=en>

<https://itunes.apple.com/us/app/medtronic-carelink-mobile/id445860674?mt=8>

**Environment:**

Mobile Native: iOS 7.1, 8.0, Objective-C 2.0, XCode 5.0, 6.0, Cocoa Touch, Cocoa, Instruments 5.0, 6.0

User Interface: Adobe Edge, HTML5, CSS and Cordova/PhoneGap.

Hardware Interface: Bluetooth, and Wi-Fi Protocols

**Syntel, Inc. (EBay/Paypal, Inc./Moody’s Financials) New York, NY Apr’ 11 to Jun’ 14**

**Project Lead**

**Responsibilities:**

* Involved in Refund, Settlement, Negative files backend services development which connects with the Discover Payment Network along with high customer Centric Apps.
* Created new lay out and screens for the iPad version of the application.
* Designed the complete MVC flow for the application with UI components and controllers to be used for iPhone/iPad. Customizing UI controls. Worked with UIKit Framework for development and maintenance.
* Developed critical tools for the project like customized Navigationbar, Pagecontrol and scroll view.
* Worked extensively on table view controller and made customized table view cells according to the client
* Added animation between UIViews for smooth transitioning and better user experience.
* Created of various views, table views, customized views and popovers.
* Developed Navigation between views was mixture of using UI Navigation Controller, UI Gesture Recognizer and UI Popover Controller.
* Creating advanced transforms/animations and Implemented Video Streaming protocols H.264 and MPEG4.
* Implemented using Storyboard and ARC.
* Created of notifications to detect the autorotation in the customized sub views.
* Formatted the Data as per Business rule to display in UI. Created the complete database using coredata. Connecting to SQ Lite database with the objective C interfaces.
* Redesigned several screens including default application landing screen as per newer wireframe.
* Designed an Intelligent Asynchronous Cache Manager to separate the UI code from Service call Code.
* Architecting apps that utilize memory efficiently and debugging memory issues with Instruments
* Asynchronous network calls and image downloads. Designed caching for images and added support for offline browsing.
* Created a delegate-based framework around AFNetworkingto the updates and synchronization.
* Worked with instruments, leak and time profiler templates, and static analyzer to optimize the app performance.
* Pre-fetching data for different views for smooth screen transitioning.
* Worked on the iPhone version of the application supporting app on device running iOS 4.3 and above and optimized for iphone5.
* Used the same XIB to design for iPhone 5 and older iPhones by using Auto-layout.
* Implemented NS Operation Queue and NSURL Connection to integrate with backend web services.
* Worked with using the flurry analytics to get data on user interaction with the app.
* Worked with zBar SDK to get barcode data using the device camera.
* Worked with GDB and XCode for debugging.
* Experience with testing frameworks such as GHUnit and OCMock.
* Beta testing of the application via test flight.
* Worked with GIT to checkout and update the codebase changes.
* Involved in the meetings with various stakeholders to understand and gather functional and non-functional requirements.
* Preparing work plan for the project.
* Coordinating the development team technically
* Identifying the technical challenges and providing exact and nearest solutions
* Aligning with the supporting team for KT and Deliverables using Agile/Scrum methodology.
* Working on key components and Evaluating/Reviewing Code/unit test Code.

https://play.google.com/store/apps/details?id=com.ebay.mobile&hl=en

<https://itunes.apple.com/us/app/ebay-buy-sell-electronics/id282614216?mt=8>  
 **Environment:**

Mobile Platform: iOS 5.0, Objective-C 2.0, XCode 5.0, Cocoa Touch, Android SDK, JQuery Mobile, HTML5.

Prod. Server: C++, Java,spring, Java web Services, ActiveMQ, JBOSS server, Virgo Jetty Server.

**Synaptics, Inc(**[**Validity Biometric Sensors Inc. Hyderabad, India)**](http://www.synaptics.com/en/press-releases/synaptics-closes-acquisition-validity-sensors.php)  **Jul’08 to Mar’11**

**Senior Software Engineer**

[**http://www.synaptics.com/en/natural-id.php**](http://www.synaptics.com/en/natural-id.php)

Product Development & Enhancement &Pass SDK IntegrationSamsung (Synaptic Natural ID):

This project is part of Validity product development. The Fingerprint Sensor is integrated to Notepads and Android Smart phones through Interfaces USB and SPI.

Responsibilities:

* Created various tools to capture the fingerprints for QA analysis.
* Enhanced & compressed image matching logic with various 3rd party SDKs from Cogent. Developed tools, which Create statistical reports for performance analysis.
* Identified suitable solutions for code and time optimization using various tools and techniques.
* Used agile methodology in deliverables. Product customization.
* Worked on POC for PayPal 2 level authentication on fingerprint-enableddevices.

**Environment:**

Mobile: C++, Java, Android SDK, Android NDK,

Windows and Linux: C, QT, Shell Scripting, CVS, Putty and TCP/IP.

Test Server: C#, ASP.NET

**Geometric Global Ltd, Pune, India. Mar’ 06 to Jun’ 08**

**Senior Software Engineer**

**EDrawings, Wind-chill Enhancement:**

These are CAD and PLM based products integration having features like Opening, Editing and appending and updating renowned CAD files with publishing information to a specific unit. It provides various tools to perform these operations.

**Responsibilities:**

* Involved in the meetings with various stakeholders to understand and gather functional and non-functional requirements. Preparing work plan for the project. Involved in the design and development of components.
* Identified the technical challenges and providing solutions. Prepared implementation plan and communicating Release timelines. Involved in Design and Redesign of libraries.
* Aligned with Quality team for user Acceptance Testing.
* Involved in 3D visualization and rendering of CAD parts/Products on both windows.
* Used XSLT based views instead of COM based views. Storing CAD assembly in the form of XML.
* Provided UI tools for importing and exporting to the database through SQL Queries.
* Used agile methodology in deliverables. Used VS-2005, 08.Used Memory Profiling tools.
* Auto .3D file viewer in MS-Office, Browser with “Open with” feature by register the ActiveX in the windows registry. Used VS-2003, 05. Used Memory Profiling tools.
* Implemented Licensing mechanism with Singleton objects.
* Developed Windows Assemblies Side-by-Side feature makes multiple versions Installable on the same machine without uninstalling older versions.
* Implemented various algorithms for filtering the geometric data, adding 3D Text. Converting from3D to 2D image, snapping tool, Edge detection, wire frame conversion.
* Mentor junior developers/QA and lead client deliveries till production release. Aligned with Quality team for user Acceptance Testing.
* Aligned with the supporting team for Deliverables used agile methodology.

**Environment:**

Windows and Linux standalone Applications: C, C++, C#, VC++, COM, Java, Shell Scripting, Windows, Linux, Sun Solaris, Putty.