

## Koushik B R

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### Work Experience

8.7 years of software development experience in POS devices. Rationalization and process efficiency improvements to customers.

### Experience Summary

- Experience in application developing, porting for various OEM devices
- Proficient in C and C++
- Experience in credit/debit EMV application for VeriFone, Ingenico, NexGo Linux terminals
- Experience in Genesis framework, ADK, Knowledge on GPA
- Experience in Micro finance applications for VeriFone devices
- Worked on contact less application development of MIFARE cards for micro finance.
- Experience in interfacing with host using ISO8583 protocol
- Good Knowledge of Linux Internals
- Complete knowledge about SDLC process, Agile Scrum
- Involved in customer interactions, discussions, calls, support during UAT and Production
- Expertise in field level support, analyze the bugs to identify, expertise in analysis on logs
- Worked closely with banks for certification activities

### Educational Details

**Master of Technology(Electronics)**, Canara Engineering college, VTU, Mangaluru.

**Bachelor Of Engineering(Electronics and communication)**, GMIT, VTU, Davangere.

### Technical Skills

**Languages** - C, C++

**Frameworks/Tools/Libraries** - XML, JSON, HTTP, HTML, CSS, SVN, Redmine, Git, Bitbucket, Jenkins, Hudson, Multithreaded applications, Socket Programming (TCP/IP), GDB, Domain Payment, Microfinance

**Database/ORM** - SQLite

**Operating Systems** – Windows, Linux

**IDE/SDKs** - VerixV, eVO SDK, Eclipse, Source Insight, SDK, Verifone ADK, Genesis Frame, IngDev, Telium

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### Projects

**Organization: Girmity Software PVT LTD** (September 2015 to present)

**Project - Medical health Application - HICAPS**

**Description -** Hicaps application is a health insurance application which is implemented on VX 820 and VX 680 terminals integrated with Hicaps host acquirer platform. The application supports below features.

Claim, Quote, Cancel, Medicare claims

**Role –** Module Lead

#### Contribution

- Transaction charge slips printing.
- Adjusted gap processing implementation.
- XML changes for item numbers and provider numbers.
- Issue fixes, support and discussion with customer.

**Technologies -** C++

**Devices -** Vx820 & Vx680

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### Project - SCI POS

**Description -** POS adapter conforming to the Global Payment Application framework and POS Point Interface Point provides merchants with a comprehensive managed service designed to remove complexity from the payment acceptance process, while giving greater flexibility to consumers over what methods they use to pay for goods and services. Merchants leverage an end-to-end solution that includes hardware, software, maintenance, updates, and compliance management, for a fixed monthly fee.

Developed the SCI POS interface for new generation engage terminals, interface with GPA application.

**Role -** Developer

#### Contribution

- High level design, class level design, interface design
- Communication Module - Primary & Secondary
- Request and Respond Parsing.

**Technologies -** C++, GPA, HTML, CSS, Socket programming, SQLite

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### Project - UKB

**Description** - Credit and Debit application were new Enhancement and Bug fixes for UKB Application with Global Payment and First data Acquirer on Genesis Platform. Worked on Mastercard, VISA and UPI certifications.

**Role** - Developer

#### Contribution

- Development, Bug Fixing and Unit Testing.
- Certifications – MasterCard, VISA and UPI
- Interface with different acquirers

**Technologies** - C++, ADK, Genesis Platform, HTML, CSS, Socket programming, SQLite

**Devices** - V240m, V200c, P400

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### Project - FirstData Application

**Description** - Credit and Debit application for Poland First data Customer with ACI protocol Implementation on Genesis Platform

**Role** - Developer

#### Contribution

- Interface with different acquirers. Development, Enhancements and Unit Testing.
- ACI Protocol Implementation

**Technologies** - C++, ADK, Genesis Platform, HTML, CSS, Socket programming, SQLite

**Devices** - V240m, V200c, P400

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### Project - City Vx675/Vx520/Vx510 Application

**Description** - Involved in Credit Debit Application development for Vx675/Vx520/Vx510 application enhancements and issue fixes for Bangladesh City Bank. Worked on Mastercard, VISA and AMEX certifications.

Involved in support and issue fixes, discussion with customer

**Role** - Developer

#### Contribution

- Development, Integration and Testing.
- Involved in development of UI and Receipt printing
- Interface with host using ISO8583

**Technologies** - C, C++, Eclipse