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| **Significant Activities and Projects Undertaken (Current & Previous)** | | | | |
| **Name of Project** | | | **SRMS: Service Request Management System** | |
| **Year** | | 2016-17 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | **SRMS** (application name) is working with user feedback or user low performance for voice, data, signal, coverage or any difficulties using Grameenphone network. Request or problem may rise from customer care (121) or regional employees.  Inside and outside trouble ticket raising, routing among departments for solutions and manage SLA, notification and reporting for complete management. | |
| **Activities Performed** | | | * New architecture to support business. * Understanding, analysis, scoping, feasibility, planning, development, deployment and testing. * After live support and necessary correction to stable the systems. | |
| **Technology** | | | **Java web base application: J2EE, Spring, Hibernate, JS, AngularJS, Bootstrap, web services expose and consume, MySQL, Jboss EAP 7.0, Windows and Linux, IDE Eclipse MARS 2.0.** | |
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| **Name of Project** | | | **Operation EYE Ericsson: Operation EYE to collect KPI raw data from Ericson system in daily basis.** | |
| **Year** | | 2016 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Operation EYE (application name) is working with raw KPI data, collect daily/ hourly from Node and keep record of all alarms.  KPI calculation with equation for each KPI head. KPI comparison for alarm generation if any PKI miss its target. Clear alarm when the condition is full filled. Purge old raw data and old KPI as per business. | |
| **Activities Performed** | | | * Architectural change to support business. * Understanding, analysis, scoping, feasibility, development, deployment and testing. * After live support and necessary correction to stable the systems. | |
| **Technology** | | | **Java backend application and database procedure: J2SE, J2EE, Eclipse Link (JPA), Oracle 12c, Procedure, CSV parser, Windows and Linux, NetBeans 7.4/8.1, Linux Crontab.** | |
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| **Name of Project** | | | **CPDR Ericsson: Client Protection Data Repository** | |
| **Year** | | 2016 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | CPDR: Client Protection Data Repository is collecting Raw data on daily basis from Ericsson Node. Collection of raw files, processing with logic and merging files for complete data and ordering to fit into KPI equation.  Finally the KPI is generated, viewed and compare by Assurance user. The data is valued for E2E network health and service improvement. | |
| **Activities Performed** | | | * Architectural change to support business. * Understanding, analysis, scoping, feasibility, development, deployment and testing. * After live support and necessary correction to stable the systems. | |
| **Technology** | | | **Java backend application and windows scheduler: J2SE, Eclipse Link (JPA), Oracle 12c, Windows and Linux, NetBeans 7.4, CSV & XL parser, windows server 2008 scheduler.** | |
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| **Name of Project** | | | **CSMS Ericsson and CSMS Huawei: Central Site Management System, Ericsson alarm integration with IP Relay and Ericsson BSC. Huawei IPNE for service and command management.** | |
| **Year** | | 2016-17 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | CSMS (application name) is working with Alarm collect from Node and keep track of all alarms, schedules and SMS or Web Service based process initiation.  Complete application is build and modified so alarm collect form Ericsson BSCs and execute processes from IP Relay System. All integrated to single solution. | |
| **Activities Performed** | | | * Architectural change to support business. * Understanding, analysis, scoping, feasibility, development, deployment and testing. * After live support and necessary correction to stable the systems. | |
| **Technology** | | | **Java backend application, shell and crontab: J2SE, Eclipse Link (JPA), Oracle 11.2, Windows and Linux, Glassfish 3.0, NetBeans 7.4, row alarm parser, socket, Corn4J, log4J. IP based communication.** | |
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| **Name of Project** | | | **TOKAI Ericsson: Alarm integration in OSS Tools applications** | |
| **Year** | | 2016 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Tokai (application name) is working with Alarm collect from Node and distribute to other system. CSMS (application name) is working with Alarm collect from Node and initiate predefined services for conditions match to initiate.  By Blue Chattala Project (Equipment Swap) Huawei to Ericsson, new equipment will be introduced. So for collecting alarm from those Nodes application need to change as necessary. | |
| **Activities Performed** | | | * Architectural change to support business. * Understanding, analysis, scoping, feasibility, development, deployment and testing. * After live support and necessary correction to stable the systems. | |
| **Technology** | | | **Java backend application, shell: J2SE, Eclipse Link (JPA), Oracle 11.2, Windows and Linux, NetBeans 7.4, row alarm parser, Glassfish 2.0, socket, JMS, Corn4J, log4J. IP based communication.** | |
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| **Name of Project** | | | **MIE: Make It Easy, Work Flow for Network Management (Roll Out)** | |
| **Year** | | 2015 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | BTS rollout work flow that will enable 20+ departments and control establishment among them. Data collection, data management for WF, data migration and customize reporting.  There will be 45 different fixed flows with parallel and sequential of hops. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development, deployment and testing. * Work flow engine development, Flow control mechanism, document management of WF and central report archive. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Entity Framework, MVC, Oracle 12.1, Windows and Windows Server 2008, Visual Studio 2012, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download, Report Repository for convenient report sharing, Manuals and Docs.** | |
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| **Name of Project** | | | **IP WAVE: Network wide IP Inventory and Service Management for 2G,3G,Pico, FEMTO, FBB and LTE** | |
| **Year** | | 2014 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | VRF and IP creation. IP inventory management and services (2G/3G/PICO/FEMTO/FBB) for own network as well as other customer requested network under a common application.  There are other WF for Reroute, Re-homing, Core Network Planner bulk upload, history maintenance and all types’ customs reporting. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. | |
| * Architecture to support business, IP inventory and work flow for services. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Entity Framework, MVC, Oracle 12.1, Windows and Windows Server 2008, Visual Studio 2012, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download, Report Repository for convenient report sharing, Manuals and Docs.** | |
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| **Name of Project** | | | **CSMS : Central Site Management System** | |
| **Year** | | 2013 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Centrally service activation / deactivation at BTS using passive element and integrated alarms. Custom made device which could operate remotely to enable passive equipment like BTS Door Open, Aviation Light Control and Generator Start etc.   1. CSMS Backend Application 2. CSMS Web Application 3. CSMS Mobile Application | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Complex A.I. design for each services, multi-threaded, activity tracking and application reporting. | |
| **Technology** | | | **Java backend, Java Web, Mobile Application, shell: J2SE, Eclipse Link (JPA), JDBC, Oracle 11.2, Windows and Linux, Glassfish 3.0, JDK 1.7, NetBeans 7.4, row alarm parser, socket, Corn4J, log4J. IP based communication. JSP, Visual Web.** | |
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| **Name of Project** | | | **ROC : Roll Out Controller, Complete solution for BTS Life Cycle Management** | |
| **Year** | 2008 ~2011 | | **Client** | Grameenphone Ltd. |
| **Project Description** | | | A single and compact solution for network roll out with cross functional division/department activity, work flow, office automation, notification for GSM system. Planning, implementation rollout, Operation rollout, quality assurance, asset management and other division like IT, HR, Finance and Network Operations coordination. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Complete business process without violation of existing business and coup up with new business process. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Object Oriented Programming, MS Server 2005, Windows and Windows Server 2000, Visual Studio 2005-2008, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download.**  **Desktop Application: VB, Object Oriented Programming.**  **Desktop Application: MS-Access, Object Oriented Programming.** | |
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| **Name of Project** | | | **MMSB (MMS Broadcast Management System)** | |
| **Year** | | 2011 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | GUI development for recording Text for MMS, Add Picture, MSISDN List, scheduling and managing (Stop, Run, Suspend or Cancel) the broadcast system. Reporting, description with send status. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. | |
| * Company business process automation. Robust revamp the MMS Broadcast system for any bunch of MSISDN. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Entity Framework, MySQL, Windows and Windows Server 2008, Visual Studio 2008, XL file parser and progress bar mechanism.** | |
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| **Name of Project** | | | **NERM: Network Engineer Resource Management, Oracle MetaSolv 6,NI, ND, Magic Box.** | |
| **Year** | | 2011 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Network Engineering Resource Management (NERM) is aimed to manage an inventory of both logical and physical for mobile network on multi-vendor multi-technology platforms. | |
| **Activities Performed** | | | * System understanding and mapping for oracle M6 * Data Migration * Development and system integrity. | |
| **Technology** | | | **Desktop and Web Based application: Vendor Product, Oracle MetaSolv 6, Oracle Network Intermigration, Oracle Network Discovery. Oracle BPM, Wipro MagicBox java web Struts 2.0** | |
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| **Name of Project** | | | **Network Swap: Huawei Ericsson Complete Network Swap for GP** | |
| **Year** | | 2010 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | A single and compact solution for network swap from exiting GSM system to new system. Planning, implementation rollout, Operation rollout, quality assurance and asset management. | |
| **Activities Performed** | | | * Understand, analysis, scoping, feasibility, migration, development and deployment * Coordinator and target oriented achievement. * System feasibility and integration amount other tools. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Object Oriented Programming, MS Server 2005, Windows and Windows Server 2000, Visual Studio 2005-2008, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download.** | |
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| **Name of Project** | | | **Core/Switch Audit (Audit Module)** | |
| **Year** | | 2010 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Complete solution for auditing at Core/Switch sites. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * System feasibility and integration with report tools. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Object Oriented Programming, MS Server 2005, Windows and Windows Server 2000, Visual Studio 2005-2008, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download.** | |
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| **Name of Project** | | | **Central (Preventive Maintenance, Scheduling and reporting application)** | |
| **Year** | | 2009 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Node wise priority basis automatic schedule generation, checklist managing, configuration, reporting and report summarization. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Company business process automation. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Object Oriented Programming, MS Server 2005, Windows and Windows Server 2000, Visual Studio 2005-2008, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download.** | |
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| **Name of Project** | | | **Site Management (report recording, managing and maintaining tool)** | |
| **Year** | | 2008 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | Report recording, distribution, managing and maintaining among different department and automation mail service. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Company business process automation. | |
| **Technology** | | | **Web based Application: ASP.Net C#, Object Oriented Programming, MS Server 2005, Windows and Windows Server 2000, Visual Studio 2005-2008, Custom Work Flow Engine. Refreshable XL reports, Site Folder for file upload and download.** | |
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| **Name of Project** | | | Alarm Center Process & Service Record Automation | |
| **Year** | | 2007 | **Client** | Grameenphone Ltd. |
| **Project Description** | | | All incidents, Entry pass and event log recoding, weekly report automation, Fire Extinguisher Management System using MS-XL. | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Company business process automation. | |
| **Technology** | | | **MS-XL 2003 and Advanced MS-XL 2007** | |
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| **Name of Project** | | | **Alarm collection and comprehensive reporting** | |
| **Year** | | 2007 | **Client** | Tele Talk Ltd. |
| **Project Description** | | | Collection system alarm as dump, Parse dump and represent in convenient way to system administrator | |
| **Activities Performed** | | | * Understanding, analysis, scoping, feasibility, development and deployment. * Company business process automation. | |
| **Technology** | | | **Web Based Application: PHP, Apache, MySQL, Linux, XAMPP, ZEND Framework.** | |