

**Bharat Pappu**

# Experience Summary

My deep technical knowledge, combined with a thorough understanding of every aspect of the system, allows me to develop quick and effective solutions to the most challenging issues that customers face. In addition to overall technical leadership, I dive deep into the details of the system. I regularly provide analytical support by designing robust queries and quick-response applications to help Subject Matter Experts analyze and compare data. I work closely with the clients to understand and help clarify business rules, then translate them to the technical team for implementation. I oversee the resolution of all technical customer support issues for all the projects I have been involved with in the past 18 years.

**Technical Expertise**

* Oracle Application Express 3 and above, oracle reports, oracle forms;
* Oracle 7 and above;
* SQL server 2000 & 2005;
* MS OLAP Analysis server & pivot tables services;
* MS Project Server 2003, uses .net Framework;
* Independent Oracle SQL, PL/SQL and MS Project Server instructor;
* OBIEE 10.x, 11g, BI Publisher COGNOS 7.x, Pentaho, open source J2EE compliant BI solution;
* Tableau 9.3 and 10.0
* J2EE (Struts-hibernate, JSF & PrimeFaces) applications;
* Enterprise Architecture frameworks;
* Building Web Application using PL/SQL, DHTML, JavaScript, AJAX and web 2.0 frameworks;

# Work Experience:

**Criminal Justice Coordinating Council, Washington DC March 2016 - Present**

**Independent Contractor**

* Help perform a data readiness assessment to establish the current state of data availability (format and frequency) and define the agency requirements to ensure agency data will be ready for reporting within the stipulated frequency.
* Help analyze the current and future business reporting requirements as well as proposing a feasible solution for the creation of the Public Safety and Criminal Justice automated report.
* Help create a process for mapping (source, format and frequency) the data points for the automated report using SSIS packages in MS SQL Server environment.
* Use Tableau for prototyping dashboards and automated reporting of identified public safety and criminal justice data points. Use Tableau to allow users to extract, explore and visualize data.
* The inclusion of tables, charts graphs and other visual tools is part of the effort.
* Use SSIS packages to support the data extraction from partner agencies’ data systems and apply analytics to identify public safety and criminal justice trends.

**CelerCost Inc & Health IT 2 Business Solution March 2015- February 2016**

As the ***Chief Technology Officer*** I helped develop technology goals, created plans for the business and its customers to achieve a good/better return on technology investments, created a roadmap for the engineering and IT staff, built a technology platform to support products and services and provided oversight of the maintenance of products and services.

**CelerKostTM - Electronic Cost Reporting solution March 2015 - Present**

**Architect**

As the architect, and developer I designed and developed CelerKost™, a web-based electronic cost reporting system to manage health care expenditures. CelerKost™ provides a transparent view on the use of funds and resources in the health care service delivery system. Financial information is loaded and validated in a rules-based engine that presents organized and actionable reports to assist both payees and payers. CelerKost™ delivers relevant, real-time financial and patient information via an intuitive interface. I designed CelerKost™ to be very flexible, intuitive to the wide variety of users, easy to integrate, featuring modular configuration capability and accessibility. CelerKost™ relies on multi-tier system architecture, separating data from business logic and from presentation components. This architectural approach to enterprise software application development allows for modular configuration, ease of expendability, and minimum administrative requirements. CelerKostTM allows access to its powerful Oracle Database and provides a complete 360-degree overview by accessing remote and enterprise data sources. CelerKostTM is developed using the Oracle Application Express engine, the engine performs: Session state management, Authentication services, Authorization services, Page flow control, Validations processing and Rendering and page processing. The asynchronous session state management architecture ensures the minimal CPU resources are consumed. CelerKostTM architecture also uses FOEX components enabling the ease and speed of designing and developing rich user interfaces that integrate Oracle APEX and Ext JS by Sencha.

**Project Manager May 2015-September 2015**

As the PM and IT assessment lead I helped the DC *Department on Disability Services* (DDS) to work with the No Wrong Door Leadership Council for the District of Columbia. The services were a part of the planning process to create a No Wrong Door (NWD) System of Access to Long Term Supports and Services (LTSS) for all Populations and all Payers. As the lead consultant I provided the leadership council with consultation and technical assistance to assess the strengths, gaps and opportunities in the current IT systems that will eventually lead to building bridges between individual systems to facilitate development of an interagency system. The department was able to secure the grant for the future work, the recommendation report and the analysis were instrumental in the process

**Project Manager (June 2015- September 2015)**

As the PM I led the installation and configuration effort to help the DC Department of Health Services in their *DCAS* virtual Linux environments, to include development, testing, pre-UAT and production environments.

**District of Columbia Court System August 2010 –March 2015**

As the *Application Development Manager* I served as an expert in performing full range of system development life cycle activities, following both traditional and agile methodologies in order to deliver enterprise –wide and business unit –based software application solutions. On a daily basis I provide guidance and assistance with systems’ analysis, design, programming, deployment, integration, and post-production enhancement and issue resolution. I am involved in performing complex and innovative tasks in many specialized areas such as client-server, multi-tier, web applications, tools, and workflows. I lead the software development processes for the court systems to assure adequacy of design and compliance with technical standards. I also provide technical supervision of contractors employed by the court to deliver custom and integrated systems. I oversee the development, enhancement, and integration of all Courts custom web applications. I work closely with case management, business automation, and enterprise content management systems, identifying and incorporating new functionality, and addressing long term maintenance issues that include scalability, flexibility, and performance. I prepare executive briefings and advise the Courts leadership on all IT projects and high level development activities. A few projects that I have led, managed and delivered successfully include:

* **Framework used, Oracle APEX 4.x**
* *Bar Applicant Tracking System*, the scope of this effort was to custom development and implement and redesign an existing MS Access application to a web application (Oracle APEX). Integration with Bar Code Scanner to consume data from NCBE (National Conference of Bar Examiners) through web services and dynamically populating an oracle apex form were the highlights of this project.
* *Interpreter System* developed using FOEX (Extjs +Oracle APEX) to support our Language Interpreter Office. I led the team to integrate FOEX successfully with features like: VPD– for both user authentication & authorization, Session Cookie - interact between multiple APEX applications, Oracle Function Result caching (performance related) – code once & reuse with a single select.
* ***OBIEE, Business Intelligence Solution***
* Technical manager for an EDW, OBIEE, scorecard and BI Publisher project to deliver inventory and performance measure reports and analyses for consumers and authors.
* **PromeFaces & JSF 2.0**
* *Full lifecycle software development services to deliver Web Service solution in order to stream out case management related information. The scope delivered included integration of, Digital signage (Kiosks) & Pay.gov payment system front-end development initiative. The Web Services were designed in a way to enable expansion and modifications without major architectural rework. The solution is scalable to accommodate other similar activities, including but not limited to: future development of mobile apps, redesign of Court Cases Online system to decouple currently encapsulated data from business logic and presentation layer.*
* *Web Voucher System Modernization & Compliance Full Lifecycle Software Development Services, the project integrates several disparate implementations of the same programming code set, I led the team to enhance usability and provide a voucher system that provides easy access to financial information to all the stakeholders. We have been successful in the design and development of a robust workflow engine that helps integrate various organization levels and roles. We implemented a “state of the art” service/EJB layer that helps decouple business logic and data. A robust and scalable web services layer has been designed and developed to help serve the system consumer and provide a framework for future support of mobile applications.*

**VISTAtsi April 2000 – August 2010**

o **April 2006 – August 2010**, I was the development manager of VISTAtsi’s modernization effort for the Real Property Planning and Analysis System (RPLANS) which included two other legacy systems, the Facility Planning System (FPS), and the Army Criteria Tracking System (ACTS). Oracle Application Express (APEX) is the primary development framework used to help create the modernized solution. It is now the Army's official decision support system for one of the largest real property portfolios in the world. This robust system has well written SQLs, to make sure they are scripted well I ask my team to do an “explain plan” and “auto trace” on each and every query and look for performance bottlenecks. SQL hints provide a huge improvement in

query performance; the table structures are frequently fine-tuned. Use of table partitions, compressions, IOTs, indexes and other storage optimization techniques help data storing and querying extremely efficient.

o **October 2004- October 2006**, I led the technical implementation for a Defense Logistics Agency project to implement MS Project Server for BRAC tracking. The Microsoft Project Server/Microsoft EPM solution helped centralize MS project plans and is helping project managers to collaborate and document project’s task, resources, issues and risk information. Simultaneously I also served a s a Project Lead for a Decision Support System for civilian agencies was designed using OWB, Oracle warehouse builder10g an ETL utility to interface with both oracle and non-oracle data sources, a central database of databases.

o **February 2003- February 2005**, I was the technical lead on a project that designed and implemented a data collection tool for 6 Department of Defense (DOD) agencies that was used to capture data for the 2005 Base Realignment and Closure (BRAC) effort. I helped design and develop the web application to collect data from around 5000 users across all army installations on Oracle 9i release 2 and Sun Solaris platform (later upgraded to 10g).The database centric application, built on stored PLSQL packages, Procedures and functions creates an HTML page at run time using MOD PLSQL cartridge, a gateway for the OracleHTTPserver (apache’s extension for oracle) to the Oracle 9i/10g database.

o **April 2000- February 2003**, I was the lead developer on the Army Stationing and Installation Plan project, a data integration and web-based database application project which serves Army installation managers worldwide. This system allows system administrators to precisely identify the requestor’s organization or supported organization within the Army staff and allows the application to apply business rules to users based on their credentials.

**Pinnacle software solutions April 1999- April 2000**

o Oracle instructor (Forms, Reports, SQL and PLSQL) at IT institutes and for corporate clients. I was involved in developing a web application, for students to have database access to testing & evaluation services, discussion board and other oracle related resources online. This product was developed with Oracle Application Server 4.0 as the application server, apache as the web server and stored packages inside the Oracle 8i database.

# Education:

# M.S., Information systems technology, George Washington University

# M.B.A., Marketing& Finance University of Madras, India

# B.S., Accounting and Commerce, University of Madras, India