[Atukuri.guruprasad@gmail.com](https://email.birlasoft.com/owa/redir.aspx?C=14baeb19695f4c63b932aad08d6025f7&URL=https%3a%2f%2femail.birlasoft.com%2fowa%2fredir.aspx%3fC%3de6b8c18d9ad941678ce557bc20459b5f%26URL%3dmailto%253aAtukuri.guruprasad%2540gmail.com" \t "_blank) Mobile: - +1 (972)342-3249

Profile:

* About 22 years of experience, out of which **15+ years of onsite exposure** (Solution Architect & Technical Project/Program Manager) direct client exposure ,specialized on Java, J2EE Technologies, Microsoft (.NET Framework, C#, ASP.NET) , full stack development, Hadoop eco system (Map Reduce, HDFS architecture, Spark, Scala, HIVE, PIG, Sqoop, Scala, Spark, Flume , HBASE), streaming tools & technologies(Flink, Storm, Kinesis, Kafka) and Database (Oracle, SQL Server, Sybase and Teradata) along with NO-SQL databases
* Having hands on design, development experience in distributed platforms using Java, Spring framework, PCF microservices, AWS cloud, also using scripting framework like javascript, angularJS, reactJS, SQL, PL/SQL along with DBA activities.
* Extensively used Object Relational Mapping (ORM) frameworks (Hibernate, JPA) and integrated with spring framework.
* Experience in working in multiple project teams that are geographically distributed (Europe, Ireland, UK and USA)
* Experience with writing proposals, project planning, technical solution design & execution
* Involved in design, architect and providing end to end banking solutions for new client integrations (PayPal, Sam’s membership, Amazon secured card & Venmo( wallet account, plastic card), etc..)
* Architect & designed SAML authentication for accessing third party applications without manually entering user credentials (SSO) to login to the application for TJX client (for statements access)
* Involved in integrating all Banking client applications from SiteMinder to OKTA for application authentication.
* Involved in designing API interfaces ( payment gateway – apigee, Swagger, RAML) integrations
* Designed & implemented end to end Fraud tools (trust id, transmit authentication (OTP, trust stamp) for banking applications
* Solution for banking call center manual customer and agent interaction to IVA (Intelligent virtual agent)- Virtual chatbot Alme® Platform, Verint (formerly called as nextIT)
* Designed & architected data lake repository solution for banking client that holds a vast amount of raw data in its native format until it is needed.
* Solution for Open source Migrating from Weblogic to TomEE , along with migrating EJB to open EJB
* End to end solutioning for cross browser compatibility ( reactJS, nodeJS, full stack development) for legacy applications.
* Provided solution for migrating legacy applets to JWS, JNLP along with Jetty server & web sockets
* Experience in using build tools (Ant, Maven & Gradle)
* Used messaging systems (RabbitMQ, Kafka) to handle high-velocity and high-volume data also to support message throughput of thousands of messages per second.
* Extensively worked on integrating Intelligent virtual agent (IVA) with multiple applications to minimize the cost for the clients
* Having good experience in [Project Management Methodologies: Waterfall, Agile & Scrum](http://www.business2community.com/strategy/project-management-methodologies-waterfall-agile-scrum-0597550).
* Worked and involved end to end data center migration from GE Consumer Bank to Synchrony Bank. Migrated around 150 application from old data center to new data center.
* Experience in writing well-tuned SQL queries, PL/SQL stored procedures to improve the application performance
* Very good knowledge on Oracle Administration (Installation, Migration, Backup and Recovery, Performance Tuning)
* Working experience in NICE, Verint, Avaya (soft phone) and CTI (Devox, Geotel) Components
* Very good command in PCF microservices, Spring boot, Spring Cloud, Spring Batch & Spring Tool Suit (STS) along with security design, integration & implementation.
* Very good command in Security standards for PCI, SCABBA, Qualys, Webinspect & Fortify
* Worked on In-Memory Computing Platforms like GigaSpace, Oracle Coherence & EhCache & REDIS (Cache /Session Management)
* Expensively worked on HTML5 API’s (server-side events, web workers, web storage)
* Experience in improving UI rendering performance by tuning JavaScript performance techniques
* Extensively used JavaScript code minification tools like Google Closure Compiler, JS compress, Gulp for improving the performance of the UI rendering speed.
* Good experience in using JavaScript multithreading programming for improving the web UI layer performance.
* Integrated applications with logging system using Splunk

Executive Summary

Sr. Solutions Architect/Enterprise Architect with extensive experience in Standard development life cycle which includes Requirement Analysis, Project Estimation, Project Planning, Project Execution, testing along with submitting proposals & RFP’s for new clients

Oracle Certified Professional (OCP) & Sun Certified Java Programmer

                

Experience Summary

* Working as a Sr. Solutions Architect/ Technical Project/Program Manager, Birlasoft Inc, USA since April’2012.
* Worked as a Sr. Solution Architect/ Enterprise Architect, Mphasis and HP company, from Jan’2005 to April 2012.
  + From Sep’06 to Feb’08 worked in AIG Europe, Dublin, Ireland,
  + From Feb’08 to Sep’09 worked in AIG UK Limited, London, UK.
  + Nov’09 to April’12 in Mphasis an HP Company, USA
* Worked   as a Project Lead, Birlasoft Chennai. From. Sep’ 2004 to Jan’ 2005.
* Worked as a Sr. Tech Consultant, ADP Dealer Services (I) Pvt Ltd, Hyderabad. From May’ 2004 Aug’2004.
* Worked as a Senior Software Engineer, BS Infotech, Nagpur from May’ 2000 to April’2004.
* Worked as a Software Engineer Sundaram Computers Pvt. Ltd., Secunderabad from May’ 1999 to May’ 2000.

Hardware and Software Environment:

Hardware  :  Intel, Sun,

Operating System  :  UNIX, Solaris, WINDOWS.

Products/Tools  : Eclipse, Spring Tool Suit(STS) , JBuilder, Apache Ant , Maven, eMPIR (Accenture   
 Tool for Data center Migration),  TOAD , DB Artisan (database administration   
 tool) , SQL Developer, SQL Loader, SQL Server Enterprise  Manager, Oracle

Enterprise Manager (OEM) & Splunk, Erwin, Microsoft Visio,

**Languages**  :  C, C++, Java1.8/9, SQL, PL/SQL, Scala, Python, C#  
**RDBMS**  :  Oracle 12c, Oracle DBA on Sun Solaris and Windows NT, Microsoft SQL Server**,**   
 Sybase, Teradata and MS-Access.

**NO-SQL** : MongoDB, Amazon DynamoDB

**Web Technologies** :  Servlets, JSP, EJB, JTA, JMS, struts, spring framework (Spring AOP, Spring batch) ASP, ASP.NET, ADO.NET, JavaScript, VB Script, Ajax, AnjularJS, node.js, react.js

**Web Services** : SOAP, XML-RPC, RESTful

**GUI**  :  Visual Studio. NET, Swing, Eclipse, SOAP UI & Postman

**ETL Tools** : Informatica, Oracle Warehouse Builder, SQL **Server Integration Services** (SSIS)

**Reporting tools** : IBM Cognos, Micro strategy, Hyperion, SQL Server Reporting Services (SSRS)

**Big Data** : Hadoop, HDFS Architecture, Map Reducer HIVE, PIG, Sqoop, Hbase,   
 ZooKeeper, Apache Oozie

**Web Servers**  : Apache Tomcat, Microsoft IIS, Oracle HTTP Server

**Version control Tools**  :  GIT, SVN, PVCS Administration, CVS (Concurrent Version Control System), Clear case, Mercurial & MS-Visual Source Safe 6.0.

**Application Servers** :  Weblogic12c, IBM WebSphere, JBOSS & Glassfish

**Business Domains**     :  Banking, Finance, Taxation, Insurance, Product based (CRM, BPM) , HR &

Healthcare

**Professional Experience**

**\*Apollo Workstation Frisco, TX.**       ***04/2012 – Current***

***Client: Synchrony Bank.***

***Sr. Solution Architect/Enterprise Architect***

Workstation is a Synchrony Bank/Financials (formerly called GE Consumer Retail Bank) business maintained for developing/maintaining Credit Card application for their customers. The business has more than 5000 clients in U.S.A. This Synchrony Bank/credit card business is being developed and maintained with 12,000 employees all around the world for Synchrony Bank. Each program is tailored to specific needs and concerns, leveraging Synchrony world-class

This credit card application handles customer call in different modes, Inbound, outbound, manual mode   
Applications:

* Customer Service & Merchant Service, Collections, Fraud Workstation, Miscellaneous applications (eChat, Mini view/Loss mitigation, Desktop stats, Web notes viewer, Crossell /Xsell

**Environment:**  UNIX

**Skill/Tools:**  Java9, JSP, Servlet, Struts.2.0, EJB3.0, JDBC, Clustering, Mainframes system, FDR (First Data Request), Gigaspace, Radis, Bitbucket , TOAD, Oracle Weblogic12c,Oracle 11g, Verint, CTI, Avaya, Rhapsody, Sonar, PMD, Fundbugs, Mockito API, Next IT’s Alme Solution. Spring Tool Suit (STS), Spring MVC, Spring boot, Spring Cloud, Spring IOC, Spring AOP, PCF microservices, node.js, react.js

* **PCF Cloud components:** 
  + SSO tile to connect to SiteMinder for Authentication
  + OUATH2 used in our micro services for token validation between with UI
  + Config Server Service used to Fetch property file information from centralize repository (Bitbucket)
  + CUP Service used to connect to oracle DB from Cloud
  + REDIS - used for Cache /Session Management
  + Eureka Service used to register all Backend Microservices URL’s
* **AWS Cloud services (PAAS, SAAS, IAAS)**
  + Elastic Compute Cloud (EC2)
  + Amazon Simple Storage Service (S3)
  + Amazon Elastic File System (EFS)
  + Amazon Relational Database Service (RDS)
  + Amazon Simple Workflow Service (SWF)
  + Amazon Simple Queue Service (SQS) and Amazon Simple Notification Service (SNS)
  + AWS Key Management Service
  + AWS Lambda
  + Amazon Glacier
* **Currently working on following technical initiatives** 
  + Application (Customer Servicing & Merchant Servicing) cross browser compatibility & Cross Platform compatible for google chrome browser. Also migrating java applets to JWS, JNLP along with Jetty server - JavaScript, JQuery, CSS, Bootstrap, react.js, native react, node.js, Java, Struts, Spring, PCF micro services. Full stack Lead
  + migrating from WebLogic to TomEE upgrade along with using open EJB.
  + deconstruction the current application business logic and web layer to make it simple by creating micro services and changing the cross-browser compatibility web layer by using react.js

**Roles & responsibilities:**

* Work with business owners & users to understand, review the business requirements
* Working closely with all the stakeholders (delivery managers, functional solution architect, information security architects and with business team) to define, design & architect the technology solutions for the business requirements
* Lead technical requirement gathering sessions & producing technical requirements and design documents
* Provide architectural guidance across multiple project/teams
* Presenting Architecture to technology leaders & business executives
* Performing proof of concepts (POC) using latest cutting-edge technologies to meet the business requirements and new technical initiatives along with evaluating the new tools and recommend for improving the productivity/cost/benefit for the business.
* Providing technical assistance to the technical leads and developers for technical issues identified during the application development
* Participating multiple internal project teams (onshore, offshore) /vendors/third parties to design, architect the solutions
* Work with the development team to develop the micro services & components
* Working closely with Middleware, information security , third party vendors to implement the project requirements
* Perform code reviews to make sure code is being developed and followed standards/guidelines
* Working with QA, UAT, true user testing (TUT) teams along with assisting the development team
* Perform production support for few weeks, after the project go live to make sure application is stable in production environment
* Make sure, identified issues is being address which are raised in production and support round the clock.
* Owning multiple projects/applications and responsible for end to end project delivery.
* Collaborating with other solution architect, enterprise architects to design & architect cloud migration strategies.
* Proactively remove blocking issues within and external/internal to the project teams
* Working with all the stake holders to make sure project/application changes being delivered based on the client SLA’s.
* Review data model, schema’s and data architecture for application database design
* Reviewing SQL queries, stored procedure to increase performance.
* Conduct Security scans like SCABBA, Qualys, Webinspect & Fortify for the applications before moving to production to identify the vulnerabilities.
* Running daily standup meeting with the teams on current ongoing activities to see the progress & status of the project.
* Making sure to follow the security standards (like Payment Card Industry Data Security Standard -PCI-DSS) are following
* Making sure team is following the security standards (encryption, data masking, tokenization, etc..) while developing the applications
* Designed & migrated Merchant Servicing applications to Customer Servicing application to have a single solution for Customers & merchants
* Created micro services for integrating different customer servicing usecases with IVA

Architecture the Big data solutions to designing and planning large size data lakes and data hubs. This involved in working knowledge of Map reduce-Java Programs, Hive, Pig and HBase to ingest data from DWH/Transact system to data lakes using different projects available in Hadoop Eco System.

**Design & architect approach** to load data from Transnational Data warehousing system to Hadoop File system for Business Analytics.

**Streaming** the User Session log files generated from Synchrony back end in Hadoop Eco-system by using the Flume.

**Hadoop Spark Shell** to process large amount of data generated from Credit Card processing systems.

Pig as scripting platform to analyze larger data sets. Used Sqoop to ingest data from heterogeneous data source to HDFS File system.

**Digital transformation initiative: Artificial Intelligence**   
 IVA (Intelligent virtual agent)- Virtual chatbot Alme® Platform , Verint (formerly called as nextIT) skills/tools: VMware ESX 5.5/6.0, MS-SQL Server, MS AppFabric caching (cache), MS IIS (Internet Information Services) , Microsoft Message Queuing, Alme Management Suite Tools ( ALME- publish utility, ALME reporting, ALME permission manager, ALME review)

**Description:** Synchrony Bank/Financials (formerly called GE Consumer Retail Bank) business maintained for developing/maintaining Credit Card application for their customers. IVA will eliminates the manual interaction between customer and agent and saves the cost to the call center / Bank. IVA will serve the basic details/ queries which customer is having without calling the call center or talking to the agent, its easiest way of interacting with virtual agent without the call center agent, during business hours and outside the business hours.

IVA will be served to the customers in the form of virtual chat bot, this will be triggered in two ways, one after clicking the chat icon from the main page of the website and second way is triggering automatically based on the requirement of the web site/application we integrate

Based on the customer request/ chat request from the chat bot, chat bot invokes different workflows from the application (account lookup, change name, change information late fee waiver, change due date, pay my bill, credit balance refund, account activation, account close, etc.. )

**Roles & responsibilities**

* Designing, Architecting and Building of Mission Critical Artificial Intelligence Infrastructure (Web/UI, Application, Database, Utility and App Fabric Cache host Servers) on VM Machines created on VMware ESX hosts, Amazon Cloud and High-End Physical Servers
* Involved in setting up the following
  + UI servers (Alme web API, custom UI code)
  + Application Servers (Alme Windows Service, AppFabric Cache)
  + Utility Services (Alme Review, Alme Explorer, Alme Dashboard, Alme Response Manager, Alme HQ)
* Database Servers
  + Alme Database
  + Alme Response Manager Database
  + AppFabric Configuration Database
  + Microsoft SQL Server Reporting Services (SSRS)
* Migrating Legacy Virtual Machines from Conventional Data Center to Cloud using Server Migration Service Conduct feasibility study for the new requirements.
* Configure Load balancing using F5 load balancers for traffic distribution between Web servers with SSL pass through, Round robin and HTTP persistence
* Clustering of Windows and SQL servers for High availability using active-active configuration
* Building Microservices architecture for IVA integration (Blueprint of the architecture).
* Building Virtual instances on PCF (Pivotal Cloud Foundry)
* Integrating the microservices to IVA application to work as backend services
* Configure Monitoring with HPOV, Site scope and BSM (Transaction Monitoring) tools

**\*Ohio Department of Taxation (OH-STARS)**

***Columbus, Ohio         11/2010 - 04/2012***

***Technical Project Manager/ Solution Architect***

**Skill/Tools:**  Java1.6, ETM (Enterprise Taxation Management), Hibernate, Pervasive, Tivoli

Workload Scheduler, tomcat, Doc1, Web services, XML, Oracle10g, Eclipse, Clear case.

The Ohio Department of Taxation is moving forward with a major technology upgrade designed to increase the scope of customer services, the efficiency of operations, and the effectiveness of tax collections.

OH-STARS Contains the following modules.

Returns processing, Tax Payer Identification, Tax Payer Accounting, Case Management, Over Payment Processing, Over Due Procession, Proof Of Delivery

**\* Medicaid Management Information System (MMIS) – Wisconsin Healthcare   
*Madison, WI      11/2009* *- 11/2010  
Technical Project Manager/ Solution Architect*Skill/Tools:**  Java1.6, Struts, Spring IOC, Spring AOP, Oracle, Web services, XML, Oracle10g, Eclipse, Clear case.

Description: The Medicaid Management Information System (MMIS): Federal/State entitlement program that pays for medical assistance for certain individuals and families with low incomes and resources. This program, known as Medicaid, became law in 1965 as a cooperative venture jointly funded by the Federal and State governments (including the District of Columbia and the Territories) to assist States in furnishing medical assistance to eligible needy persons. Medicaid is the largest source of funding for medical and health-related services for America's poorest people.

**\* AIG extra-UK & Release and Configuration Management    *08/2006 - 10/2009***

***Dublin, Ireland & London, UK.***

***Tech Manager/Release Manager/ DB Lead***

**Skill/Tools:**  Java1.5, Servlets, Free Marker, Jython, JSP, Oracle10g, IntelliJ, Clear-Quest., PVCS,

Docucorp (DAP), IBM WebSphere MQ 6.0, Sun one Webserver6.1, Web services.

American International Underwriters (AIU) manages AIG's overseas property-casualty operations, the most extensive foreign network of any insurance organization. Stretching across Asia and the Pacific to Latin America, Europe, Africa, and the Middle East, AIU markets a full range of property-casualty products to both consumer and commercial clients.

This project primarily used by Underwrites and Brokers and CSU Users. This application is used to Quote, bind, the policies. Underwrites and brokers will give the policies to the companies depends upon the turnover of the company. ExtraUK is having different Products, the product is decided by the Underwrites and Brokers depends on the company turnover.

**\* Post Trade Portal Commercial Paper (PTPCP) Admin Module and Client Module. *01/2005- 08/2006***

***CDS-Quotes (Morgan Markets).***

***Credit Infrastructure Transformation. (CIT Security)***

***JP Morgan Chase, HP, Mumbai, India***

*Technical Lead*

**Skill/Tools:**  Java2.0, JSP, EJB2.0, Struts Framework, Hibernate, Tag libs (Custom tags), Oracle 8i,

Web-logic 8.1 as App-server in clustering Environment, Eclipse, JUNIT Framework, ANT as a builder tool, CVS.

CIT is a Centralized security component for all JPMC applications. This solution is designed around the concept of a Group and Roles based entitlements model. A Role is aggregation of a number of permissions, and each permission being an ability to perform an action based upon a resource. Roles may be assigned to users or to groups (which are collections of users). Roles assignment to a user may be explicit (adding a role to a group in which the user is a member) or rule-driven. The Entitlement Engine is a centralized security Component and Admin Console is a GUI component to access The Entitlement Engine. The new security architecture will allow only authorized individuals to access private, secret or confidential information, as dictated by security policy. The new operating model will ensure that changes in regulations are appropriately reflected in the privileges extended to users to access information. Users will be authenticated and authorized, information will be stored and transmitted, and security details will be captured so that adherence to corporate IT policy is tracked and maintained.

**\*Birlasoft, (COGHR GE)     09/*2004-01/2005***

***Chennai, India***

***Sr. Software Engineer/ Project Lead/Database Lead***

*GE, Chennai, India*

**\*ADP Dealer Services (PVT) LTD         05/*2000 - 08/2004***

***Hyderabad, India***

***Sr. Technical Consultant*\*B. S InfoTech           05/*2000 - 04/2004***

***Nagpur, India***

*Sr. Software Engineer*

**\*Sundaram Computers PVT LTD         05/*1999 - 05/2000***

***Secunderabad, India***

*Software Engineer*

***Domains:***

* *Banking, Finance, Credit cards, Investment*: Chase, Citi Bank, Synchrony Bank
* *Insurance:* AIG US, AIG UK, AIG Europe)
* *Healthcare:* GE Healthcare, US state GOV /federal healthcare – MMIS (Medicare Management Information System)

***Education & Certifications***

* Master’s in Computer Management, from Nagpur University.
* Professional certifications:
  + AWS Cloud Practitioner, AWS Solution Architect (in progress)
  + Sun Certified Java Programmer
  + Oracle Certified Professional (DBA Track). It covers following papers/exams
    - SQL, PL/SQL
    - Architecture & Administration
    - Backup & Recovery
    - Performance Tuning
    - Networking
  + Perusing node.js, react.js & Microsoft Azure certifications.