**Gnananand Kumar**

**Back-end Java Developer**

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Summary:

* 13+ years of experience in analysis, requirements gathering, designing, developing and maintaining the Java based Enterprise and Web applications. and cloud applications using JAVA/J2EE and deploying them on Web Server, Application Servers and **Cloud Infrastructure**.
* Experience in **Use Cases, Sequence Diagrams and Class Diagrams using UML, J2EE Design Patterns.**
* Extensive experience in developing **Micro services** using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix**) and followed domain driven design.
* Experience in using build/deploy tools such as **Jenkins and Docker** for Continuous Integration & Deployment for **Microservices**.
* Expertise **in Spring framework, extensively used Spring DI, Spring JDBC templates and Spring MVC.**
* Experience in developing web interfaces using **HTML5, CSS3, JavaScript and jQuery.**
* Expertise in using **Hibernate, extensively used Entity Class Associations, Criteria Queries and Projections.**
* Expertise in server-side development with JDBC, JMS, Servlet, MVC architecture, Java Beans, XML.
* Proficient in XML technologies like **XSL, XSLT, SAX, DOM, XPath, WSDL, DTD, XSD, SOA, JAXB, Apache Axis.**
* Experience in Integration of Azure with other applications infrastructure.
* Experience Hands on with PL-SQL Stored Procedures, Triggers and Views.
* Experience on **Web Services, SOAP, JAX-RPC, WSDL, EJB, XML.**
* Experienced with **IBM WebSphere Application Server**, Oracle WebLogic application servers, JBOSS and Apache Tomcat Application Server.
* Knowledge in **AWS** services like **EC2, S3, and IAM**.

**Technical Skills:**

* **LANGUAGES** JAVA, XML, PLSQL, HTML, XHTML
* **J2EE TECHNOLOGIES** Servlets, JSP, EJB, JNDI, JDBC
* **FRAMEWORK** Struts 1.2, JPA, JSF 2.0, Spring MVC, and Spring 3
* **ORM** Hibernate 3
* **SOA** Web Services, WSDL, SOAP and Apache Axis 1.4
* **WEB SERVERS** Tomcat 5.5, 6.0
* **APPLICATION SERVERS** WebSphere 5.0, 6.0, 7.0, JBOSS, WebLogic 10.3.2
* **Scripting Language** JavaScript, Ajax and jQuery
* **IDE** Rational Application Developer 5.0, 6.0, 7.0, Eclipse, STS
* **TOOLS** TOAD 10.6, SQL Developer, Linux, ANT, MAVEN, SonarQube (Code Quality Tool), Monitoring tools (Grafana)
* **RDBMS** Oracle 11g, DB2 and MySQL
* **Cloud Computing** Application insights, Storage Accounts, AppService, Azure Logic apps, Azure Storage accounts, APIM

**PROFESSIONAL EXPERIENCE:**

**Aeroxchange, Irving, TX Oct’22 – Till Date**

**Back End Java Developer**

**Project Name– AeroBuy**

**Role: Senior Developer**

Project Description: Aeroxchange is the only electronic business network that supports all MRO business processes within the aviation industry for buyer and sellers. Aeroxchange provides a complete lifecycle of electronic communication from order creation to final invoice. The Aeroxchange service accelerates repair, replenishment, sourcing, inventory pooling and other critical operations in the aviation supply chain.

Aeroxchange automates the exchange of documents and information for commercial transactions. Our electronic platform dramatically reduces manual activity for transaction processed by fax, telephone and email, and increases the accuracy and timeliness of information and document exchange.

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**Key activities performed:**

* Worked as an individual contributor and followed agile methodology while development.
* Implemented rest endpoints for modules Aerobuy and Compass.
* Involved in migration of previous platforms from **Spring**-to-Spring **Boot** .
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.
* Used CICD tools like Git, Jenkins, and Sonar for project management and deployment.
* Used the Jira Board for planning.
* Participated in combined sprint reviews.
* Adherence to 90-100% code coverage for the codebase.
* Worked on integration project for API management.
* Worked with cross-functional teams.
* Technology used: Java 11, Angular 11, Spring Boot 2.0, Oracle

**Environment:** Java 1.8, Spring Boot, Spring REST, Spring JPA, Eclipse, Apache Tomcat, Oracle, Linux, SQL Developer, Log4j.

**Care first BCBS, Reston, VA Oct’21 – Aug ‘22**

**Back End Java Developer**

**Project Name– CC360**

**Role: Senior Developer**

Project Description: This application is revamping of existing application CC360. It consists of many modules like medical profile, case management, care team, care coordination directory, benefit utilization and many more modules. My role was to design and develop Micro services using Spring boot Restful services.

**Key activities performed:**

* Worked as an individual contributor and followed agile methodology while development.
* Implemented rest endpoints for modules Benefit Utilization, Careteam and CareCoordination.
* Involved in migration of previous platforms from **Spring**-to-Spring **Boot** for building **Microservices**.
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.
* Implemented rest endpoints for Benefit Utilization service.
* Worked on db2 to create database objects.
* Used CICD tools like Git, Jenkins, and Sonar for project management and deployment.
* Used the Jira Board for planning.
* Participated in combined sprint reviews.
* Adherence to 90-100% code coverage for the codebase.
* Worked on integration project for API management.
* Worked with cross-functional teams.
* Technology used: Java 11, Angular 11, Spring Boot 2.0, DB2

**Environment:** Java 1.8, Spring Boot, Spring REST, Spring JPA, Eclipse, Apache Tomcat, DB2, Linux, SQL Developer, Log4j.

**BFPD Netherlands Jul’20 – Sep 21**

**Back End Azure and Java Developer**

**Location: Capgemini, Hyderabad**

**Project Name: Pension Funds**

**Pension Funds** contains a platform that facilitates the full pension lifecycle for pension funds and pension insurers.

Different actors that interact with the platform are Employer, Employee (Participant), Business Process Outsourcing Agent, Pension Business Exec and Operations Engineer.

**Responsibilities:**

* Involved in Design, Development and Support phases of Software Development Life Cycle **(SDLC).**
* Used **AGILE** methodology and participated in SCRUM meetings.
* Developed **RESTFUL** client to interact with the services by providing the **RESTFUL** URL mapping
* Built **MAVEN** scripts for automated deployment and for the build operation of the entire application.
* Built Grafana dashboard for the API monitoring.
* **Spring** Controllers were used to route the control to desired Java services.
* Developed Controller for request, response paradigm by **Spring** Controllers using **Spring**-**MVC**. Used **JSON** as response type in **REST** services.
* Involved in migration of previous platforms from **Spring**-to-Spring **Boot** for building **Microservices**.
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.
* Used Spring JPA/Hibernate
* Experience in CRM domain **Salesforce**
* Deployed the applications in Azure **AppService**.
* Designed and developed Restful service interface using **Spring MVC** to the underlying customer event API. Involved in building Restful Web services using JAX-RS API.
* Analyzed and fixed issues related to **REST Web services and Application responses**.
* Used Maven as the build tool and **GIT** as the Source version controller.
* Used **GIT** as the configuration management tool to manage the code repository.
* Knowledge on Python and Scala.
* Performed unit testing using **JUnit.**
* Followed Agile Scrum methodology and used **TDD** for writing test cases.

**Environment:** Java 1.8, J2EE, Spring Framework 4.3, Web Services, ,Azure, Agile, GIT , REST, XML, Eclipse, Spring Based Micro Services , JavaScript, Logic apps, JUnit, GitHub, MVC, Maven and GIT.

**Independence Blue Cross ,Philadelphia, PA Feb’18 – May’20**

**Full stack Java Developer**

**Project Name: CVGo Plus**

CVGO (Comprehensive Visits) – CVGo application replaces the paper form by allowing practices to submit CV form electronically through the portal.  As CV forms are submitted electronically, reports generation for a practice is easy. Providers have a bigger picture of risk gaps, audit findings and key information on Comprehensive Visits form at their fingertips.

**Responsibilities:**

* Worked as a full stack developer to develop web applications using spring, Rest based Web services. Used **HTML5, CSS3, JavaScript, JSP, JQUERY, AJAX in front end.**
* Involved in Design, Development, Unit Testing and maintenance of CEC application.
* Involved in discussions with Business Analysts and designed the **TDD (Technical Design Documents).**
* Involved in writing **Spring Configuration XML files** that contains declarations and other dependent objects declaration.
* Involved in migration of previous platforms from **Spring**-to-Spring **Boot** for building **Microservices**.
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.
* Used Spring JPA/Hibernate.
* Designed and documented **REST**/**HTTP APIs**, including **JSON** data formats and **API** versioning strategy.
* Experience in Developing User Interface (UI) Rich Web Applications and Web Service Applications using **HTML** 4, **XHTML**, **CSS** 2, **XML**, **AJAX**, Object Oriented Java Script, **Angular JS, RESTful services, JAVA, JSP.**
* Responsible for the planning, implementation, and growth of the **Azure** cloud infrastructure.
* Developed business tier components and services using **RESTful** web services.
* Used Spring Rest Controllers, **Spring** **Web** **MVC** and **Spring** **Boot** extensively to implement server-side business logic.
* Used Spring **JPA** to design entity data mapping with Oracle DB.
* Involved in production support for resolving user problems.
* Involved in pre-testing the Web-Service calls with Postman (Plug-in for chrome).
* Developed **JUnit** test classes for Controller, Service and Data layers.
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
* Used CI/CD pipelines for Code deployment.
* Used Mockito for data mapping along with **J-units.**

**Environment:** Java 1.8, Spring Boot, Azure **Storage Accounts**, Logic Apps, Spring Web MVC, Spring REST, Spring JPA, Eclipse, Apache Tomcat, Bootstrap, UML, XML, XHTML, HTML5, CSS3, Oracle, SQL Developer, Log4j., Python.

**Independence Blue Cross (IBC) ,Philadelphia, PA Mar’18 – May’20**

**Full stack Java Developer**

**Location: Capgemini, Hyderabad**

**Project Name: BUS (Benefits Update System)**

**Benefits Update System** (BUS) application allows the marketing area to create and manage all benefit summaries for the IBC FO and allows archiving of the summaries.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose.**
* Involved in preparing the High Level and Detail level design of the system using J2EE.
* Created struts form beans, action classes, JSPs following Struts framework standards.
* Implemented the database connectivity using JDBC with Oracle 9i database as backend.
* Involved in migration of previous platforms from **Spring**-to-Spring **Boot** for building **Microservices**.
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.
* Worked on core java, using file operations to read system file (downloads) and to present on JSP.
* Used Spring JPA/Hibernate.
* Designed and developed Application based on Struts Framework using MVC design pattern.
* Developed Struts Action classes using Struts controller component.
* Developed SOAP based XML web services.
* Used SAX XML API to parse the XML and populate the values for a bean.
* Used Jasper to generate rich content reports.
* Developed XML applications using XSLT transformations.
* Apache Ant was used for the entire build process.
* Designed and developed web interfaces and business logic using **Spring, JSP, Servlets, JavaBeans, Spring JDBC, Java Script, HTML, and XML Technologies**
* Configured WebSphere Application server and deployed the web components.
* Provided troubleshooting and error handling support in multiple projects.
* Successfully migrated BUS application from WAS server to JBoss server
* Addressed existing cache mechanism in the application with new Cache Implementation Infinispan.
* Successfully handled BUS and SBC migration to JBoss.
* Handled ad-hoc maintenance tickets within SLA.
* Prepared the Technical Design Document (Low Level Design) for the CRM.
* Implemented Functional interfaces and used Streams for Data manipulation.

**Environment** JDK 1.8, Spring, JSP1.2, Servlets2.1, WSDL, JDBC, JavaScript, XSLT, XML, UML, HTML, JNDI, Rational Rose 98, Oracle 10g, Apache Tomcat, Log4J, ANT, JUnit, Eclipse

**Halyard Jun'17 – Feb’18**

**Senior Developer**

**Location: Capgemini, Hyderabad**

**Project Name: Halyard Health FPX Integration, Hyderabad, India**

Halyard is looking at configure-price-quote solutions to replace a legacy custom-built application, "EZQuote" for our Interventional Pain business unit's custom procedural trays.

**Responsibilities:**

* Understanding the existing business and developed new Custom UI.
* As a developer involved in client calls to get the requirements to develop.
* Understanding the CPQ tool to implement the customer business requirements.
* Involved in creating workflows in CPQ tool.
* Written Sever functions and Triggers to handle Opportunity, Quote and Quote lines.
* Involved in the requirements **analysis, designing, development, testing and deployment of the enhancements**
* Developed and implemented the MVC Architectural Pattern using **Struts Framework including JSP, Servlets, EJB, Form Bean and Action classes**
* Used Web logic server for deployment and **eclipse 3.0 as Java IDE tool for creating JSP's, Servlets.**
* Involved in developing raw java back end programs for back end Interfaces programs which would involve processing the batch files and the mockup files.
* Used **JSP, JavaScript, JSTL, EL, Custom Tag libraries, Tiles and Validations** provided by struts framework.
* Developed authentication and authorization classes and manage it in the front controller for all the users per their entitlements.
* Implemented caching techniques, wrote POJO classes for storing data and DAO's to retrieve the data and did other database configurations using EJB.
* Developed Action Classes to service the requests from the UI, populate business objects & invoke EJBs.
* Develop the User Interface Screens for presentation logic using JSP, Struts and HTML.
* Created Web service methods and worked on with making changes to the WSDL and SOAP protocols as required by the design for the application.
* Written and debugged the ANT Scripts for building the entire web application.
* Created JUnit test classes for the services and prepared documentation.

**Environment:** Core Java, JEE, Struts, JSP, JSTL, Servlets, JDBC, Log4J, Ant, Apache Tomcat Server, XML, AJAX, JavaScript, Eclipse, GIT, Oracle, PL-SQL.

**SEI Jan'17 – Jun’17**

**Senior Developer**

**Location: Capgemini, Hyderabad**

**Project Name: Product Catalog**

**Product Catalog** is a View/Edit Mechanism to manage products, Asset Allocation models and Fulfillment models. Asset Allocation Models are branched hierarchies of asset categories used by client Firms to manage customer assets in standardized fashion. Fulfillment model is the implementation of Asset Allocation using available products or customizing them.

**Responsibilities:**

* As the lead developer of the application, responsible for understanding the requirements of the application.
* Developed Technical Design Documents for different modules of the application.
* Onsite co-ordination and bottom-line responsibility of offshore development team.
* Responsible for the design, implementation and release of the applications to meet the requirements of various projects.
* Constant interaction with clients, other middleware and front-end teams to derive issues to closure.
* Requirement gathering and analysis.
* Used Spring JPA/Hibernate
* Provide design solution and prepare design documents (HLD+LLD).
* Provide technical solutions in order to enhance the quality and performance of the application.
* Quality & performance testing of the deliverables.
* Proof of concept to demonstrate technical solutions.
* Release notes for activity related tasks.
* Point of contact for critical production release involving multiple deployments.
* Involved in migration of previous platforms from Spring-to-Spring Boot for building Microservices.
* Used **Micro service**architecture, with **Spring Boot**based services with client-server environment.

**Environment:** XHTML 1.0, JDK 1.6, WebLogic 10.3.2, Oracle, Eclipse, SVN, HP Quality Center, Linux, JDBC, jQuery 1.9

**Independence Blue Cross, Apr'13 – Feb’16**

**Java Lead Developer, Philadelphia, PA**

**Location: Capgemini, Hyderabad**

**Project Name: Account Installation Workflow (AIW)**

**Responsibilities:**

* As the lead of the application, responsible for understanding the requirements of the application.
* Used **Java, JSP, JPA, Hibernate, Spring, Oracle** and **DB2** technologies for the implementation of the application.
* Created **Technical Design Document** for the application.
* Created **XHTML** pages using **JSF** **Core** and **HTML** tags.
* Developed **JSF managed beans** and provided entries of the managed bean in the **faces-config** configuration file.
* Used **Spring IOC** for the interaction between Web-Service-Dao layers.
* Provided service and Dao implementation classes in the **application-Context** configuration file to make it available for the application using spring.
* Created **Entity** classes from database tables using **Hibernate** dialect.
* Created **persistence.xml** as a configuration file for **JPA** and provided the entries for persistence provider and **JNDI**.
* Used **annotations** for web, service and Dao layers.
* Created **UML** diagrams like **class** and **sequence** diagrams to represent the flow of the application.
* Used **CVS** as version control tool.
* Resolved the issues which were raised by the users during the application testing like pages are taking longer time to open. The issues is because of number of database calls and the way hibernate is implemented.
* Participated in the migration of the application from websphere6.0 to websphere7.0 application server.
* Fixing the critical defects
* Fixing issues in all the environments to make the application deployment stable.
* Analyzing **PL/SQL** and making changes to **stored procedures** to accommodate thefunctionality.
* Fixing defects in **PL/SQL**.
* Understanding the existing business and developed new enhancements for HMK migration.
* Integrated Optum service with existing AIW code base.
* Worked on DCPE requirements along with the Defect fixes
* Coordinated with team to make them understand the requirements
* Understand the DCPE requirements and developed and integrated the DCPE features.
* Written Unit test cases for all the requirements.

**Environment:** XHTML 1.0, JDK 1.6, JSF 1.2, WebSphere 7.0, DB2, Oracle, Spring 3.1, Hibernate 3.2.5, ICE Faces 2.0, RAD7.0, Harvest, JPA 2.0, PL/SQL, jQuery 1.9

**GE May’10 – Mar’13**

**Senior Java Developer**

**Location: Mahindra Satyam, Hyderabad**

**Project Name: Global Connector (GC), Hyderabad, India**

The GC system is owned by GE and is useful to create quotes and send to ERP. Selected quotes can be converted into orders and send to ERP. There will be four types of quotes/orders will come from four different turbines (Gas, Steam, Generator, Cast/Control). This application will have some validations for quotes/orders linked with EAI/Web Methods, Pegasus and ERP teams. Moreover, this application deals with Source Book, FMI, QOEM, EnggGIB modules.

Orders or Quotes can be created from GC or from the external source. The Orders that are created from the external sources are published through EAI integrations Web Methods, these Orders or Quotes are sent to ERP.

**Responsibilities:**

* Involved in the **Requirement analysis.**
* Used **JAXB** to parse the xml and create a Java object.
* Used the **web services** of the **Rules engine API** to make the call from the Java application
* Worked on initial code setup and deployment of code to UIT environment
* Worked on **Technical Design Document**
* Worked on the unit testing approach for the project which made all the other projects using the same testing approaching by making the minimal changes
* Reviewed the test cases.
* Guided other team members of the project.
* Involved in the knowledge transition for offshore system analyst

**Environment:** Java/J2EE, EJB2.0, RAD, WebSphere.

## British Telecom Nov '09 – Mar’10

**Java Developer**

**Project Name: Billing Ordering System (BOS),**

**Location: TCS, Kolkata, India**

**Responsibilities:**

* Handled day-to-day Production Support activities and issues.
* Critical issues relating to Customers were solved quickly and effectively.
* Had a better understanding of the functionality of the system which facilitated in providing instant solutions to customers.
* Involved in the implementation of the new functionality and modification of the existing functionality.
* Perform troubleshooting and issue resolving throughout the project ensuring the issues are brought to resolution and on-going communication with the Users.
* Adherence to Quality Standards and SLA.
* Attending weekly status review meeting with business on production support issues.
* Joined as a part of logical phase to collect the logical requirements.
* Updating the **System Use Cases** based on the requirements
* Creating the **Application Design Document** and **Application Development Documents** for clients use.
* As part of physical phase, created a **Technical Design Documents**
* Updated the **class** diagram, **sequence** diagram, **context** diagram and the critical content of the Core Application design document
* Integrating the **EJB** project with all the other layers of the project
* Making the code stable for the deployments to the environments like **UIT, SIT, UAT** and **L&P**.
* Providing the technical solutions to the team members of the project
* Making sure the **queue connection factory, queue and database JNDI's** and **listener ports** configured properly in the application server
* Participated in the **Load and Performance** testing to understand and resolve the application behavior before production
* Leading a team in completing the exception handling scenario's and claim object model
* Fixing the critical application defects as part of testing phase.

**Environment:** Java/ J2EE, EJB2.0, RAD, IBM Process server, IBM Message Broker, IBM WTX, IBM WebSphere 6.0., Web service using JAX-RPC, CICS, Spring, Spring MVC

**Google Jan'08 – Aug 08**

**JAVA DEVELOPER**

**Location: New York, USA**

**Project Name: Google Checkout, New York, USA**

**Responsibilities:**

* Working as a senior developer in onshore team.
* Working with the architecture team for technical implementation.
* Written test cases for the API module.
* Developed automation for API test cases for more than 6 modules
* Reported crucial bugs to the developers while in regressing the test scenarios
* Contributed to moving two modules to production
* Helped for different testers to understand the API functionality
* Maintenance of API. Automation. Changes done according to the functional changes
* Code review for the code developed by the team members.
* Doing the defect analysis and fixing.
* Leading the team when the actual lead is not available.
* Taking more additional responsibilities for the functionalities like claims and login.
* Getting appreciation from the client team

**Environment:** Java/J2EE, JSP, Servlets, IBM Portal Server, JSR 168 Portlets, JDK5.0, Servlet, JSP, Oracle, Mainframe, MQ, CVS, Clear case

**Abercrombie and Fitch, Columbus, OH July '07 – Dec ‘07**

**JAVA DEVELOPER**

**Location: Columbus, OH**

**Project Name: Central Store Information System (CSI)**

This project creates a system that eventually replaces the current CSI (Centralized Store Information) system. This system display store UDA values and allows the user to update UDA values within his/her category. For example, if someone works in the Payroll department, he/she can update UDA values in the Payroll category. He/she cannot update UDA values not in the Payroll category.

**Responsibilities:**

* Working on the functionality called Contact Brand.
* Designing and reviewing the **Technical Design Documents**.
* Creating the setup for running the application in the initial stage like creating the **virtual portals**.
* Implementing the code for new brands for which the code already exists.
* working on the defects which are very critical in the engagement and my modules
* Integrating the code which is developed by the Offshore.
* **Reviewing** the code.
* **Delivering** the code on time.
* Developing the presentation tier, business tier and DAO tier.
* In the Presentation tier, form level validations are done through the java script.
* Making a call to Business layer, which in turn call the DAO layer.
* As a part of the Code review and updating the TDD's.

**Environment:** IBM Portal Server, JSR 168 Portlets, JDK5.0, Servlet, JSP, Spring, Ant, Junit.

**Educational Qualifications:**

**Post-Graduation: MCA (**Master in Computer Applications**)**

**Year of Passing:** 2003

**Graduation: B.Sc. (**Mathematics, Physics, Chemistry**)**

**Year of Passing:** 2000