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**Ananta Pilaka**

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**Summary**

* Over 15 years of experience in delivering enterprise solutions.
* Expertise Software Development Life Cycle (**SDLC)** methodologies based on **Agile, Scrum, Waterfall Model, Iteration** in developing web applications using **Java, J2EE** etc.
* Expertise in design and development of various web and enterprise-level applications using Java/J2EE technologies.
* Gained exposure in end-to-end development of software products from designing, coding, testing, and de-bugging.
* Implemented **Micro-Services** Architecture for various components using Spring Boot and Apache Tomcat 8.
* Worked Extensively with Open Source Technologies like **Hibernate, Spring JDBC, Spring MVC, Spring IOC, JDBC,**
* **JPA,** **Spring Boot, Spring Microservices, Spring REST.**
* Strong understanding of **Micro service**s
* Responsible for support and maintenance of batch jobs, implemented **Spring batch** for over **1million transactions**.
* Experienced in working with **Spring JDBC** Templates, **Spring Rest Templates**.
* Knowledge of working on **Unix** **Shell scripting**
* Good Experience in writing complex **SQL queries** and creating complex **PL/SQL** procedures and views, **Triggers, Packages** in various databases such as **Oracle, MS SQL** and **MySQL**.
* Exposure in ETL (Extract – Transform – Load) using SQL Server Integration Services 2005 (SSIS).
* Used Jedis connection pool to access **Redis** Server and performed Redis Hash Operations to store and retrieve data in Redis Server.
* Done extensive testing using **SDET**
* Experienced in developing UNIX shell scripts for batch processing.
* Expertise in creating **Docker images**, Containers, push/pull and integrating with Spring Boot.
* Good knowledge of designing, deploying, and operating highly available, scalable and fault tolerant systems using **Amazon Web Services (AWS) and Azure.**

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| **Java/J2EE Technologies** | **JDBC, Multi-threading, Java Networking** |
| **Programming Languages** | **Java 1.8, C, TSQL, PL/SQL, C#** |
| **Application/Web Servers:** | **Oracle Web-logic, , JBoss, Glass Fish, Tomcat, Bug tracking.** |
| **Methodologies** | **Agile, Scrum, SDLC** |
| **Modeling Tools** | **UML, Rational Rose, Visio** |
| **Messaging Tools** | **JMS, Active MQ** |
| **Database Servers** | **Oracle 12c, MS SQL, MySQL Server, DB2, Cassandra** |
| **Debugging Tools** | **Chrome Developer Tools, SSLC, SSRS, SSAS** |
| **Version Control** | **CVS, SVN, GITHUB, GITLAB** |
| **Build Tools** | **ANT, Maven, Gradle, MVC** |
| **Platforms** | **Windows, UNIX** |
| **CI/CD** | **Jenkins, OpenShift** |
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* Used **Amazon Web Services (AWS)** a secure cloud services platform, offering compute power, database storage,

**Education**

(Hons) Degree in Computer Science

From Laurentian University,

Oracle Certified Associate

Microsoft Certified

**Professional Experience**

***Lead Java Developer***

**February 2020 – Current**

**Hughes Network Systems LLC.**

Germantown MD

**Description:** The provides internet services to the end users, has customer base all over US and abroad

**Responsibilities:**

* Developed the application using **Core Java, Multi-threading, Spring MVC, Spring Boot, J2EE.** Created **REST APIs** for producing and consuming Data.
* **Used Java 1.8 Lambda expressions along with API Streams for creating internal iteration and performing chain operations such as Filter, Map, and Collections. Also used Completable Future for asynchronous programming.**
* Used **Spring JPA**, **hibernate configurations** to generate domain and plain old java class object. Designed and created **tables** and **stored procedures** in **MS SQL** database based on the requirements.
* Used **Hierarchical Data Format 5 (HDF5)** for managing data collections of all sizes and complexity and also to deal with high volume of data.
* Developed **batch** process which generates **csv files** which are used in the **ETL** process to load the data into specific tables.
* Used **Linux boxes** to deploy the microservices into the server. Configured Linux boxes to simulate the data and perform the data validations.
* **Used Apache Log4j utility to generate run-time logs which includes run-time exceptions.**
* Worked closely with **QA team** and fixed **QA bugs** as well as production issues with a **quick turnaround** time.
* Provided continuous **production support** on **demand/nightly** basis and over the **weekends**.
* Worked collaboratively with **three different teams** within the project and mentored offshore team.
* Used **Maven** as build and dependency management tool for creating **WAR and JAR** files to be deployed in application servers and integrated with **GITHUB** and **CI/CD** processes using **Jenkins**.
* Implemented encryption in containers. Crated Lambda functions using Nodes.js, Java. configured deployment strategies and scripts using AWS CLI.
* Data Models, Triggers, Packages, Stored Procedures on Oracle, MSSQL and database Objects.
* Created and queried, lists objects on MongoDB

**Environment: Java 8.0, Spring Boot, Spring Security, JPA, Apache Tomcat**, **MS SQL, RESTful Web Services, SOAPUI/Postman, Swagger, Log4J, JUnit, Jenkins, GIT, Agile Methodology, TFS, STS, Angular 2, D3**

***Lead Java Developer***

**February 2013 –January 2020**

**US Depart of Labor OSHA**

Washington, DC

**Responsibilities:**

* Responsible for **Agile** implementation and practices for Scrum meetings.
* Worked with Advanced **Java 1.8 features like Lambda** for adding functionality processing capability and **Stream API** to facilitate pipeline processing and method to eliminate elements based on the criteria.
* Involved in developing **Thread** Safe blocks for **multithread** access and distributed transaction management.
* Designed and developed the End Points (Controllers), Business Layer, **DAO** Layer using **Hibernate**/**JDBC** template to fetch data from database, using **Spring IOC** (Dependency Injection).
* Heavily used **Spring Inheritance, Auto-wiring, Core Container, Security, AOP, ORM modules as part of migration from EJB to spring, Spring Quartz** for scheduling tasks to generate reports and emails to clients.
* Created and injected **Spring services, Spring controllers** and **DAOs** to achieve **dependency injection**.
* **of Services Discovery** usin**g Apache Axis**.
* Application functionalities tested on SDET principles
* Used Micro **service** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers and built the Real-Time Data Pipeline using **Apache Storm and Spark.**
* Used **SOAP UI, Postman, Rest Client, Spring Mock MVC, Spring 4Junit**for testing the web services.
* Extensively used **Hibernate Relational mappings (One-To-Many, Many-To-Many)** in the secondary project.
* Extensively worked on **Hibernate Cache, Query, Criteria and Transactions** in secondary project.
* Upgraded **Spring Rest Controllers** and Services classes to support migration to **Spring** framework.
* Implemented **Spring Circuit breaker** pattern, integrated **Hystrix dashboard** to monitor **Spring micro services**.
* Implemented Authentication & Authorization with Site Minder and **Spring security**.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Used **Toad** to interact with **oracle data base, performance tuning DB execution plans.**
* Wrote SQL **queries, stored procedures, triggers,** and enhanced performance by running explain plans.
* Used Amazon Web Services (**AWS**) like **EC2, S3**, **cloud watch** and **Elastic Bean Stalk** for code deployment.
* Developed Applications using **Rule Engines-Jboss Drools** 4.x, **Workflows, Human tasks** to implement Business rules validations and provided Drools Dashboard for Business users.
* Worked on creation of custom **Docker** container images, tagging, pushing images, integration of **Spring boot**.
* Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR** and **JAR** file to be deployed in application servers and integrated with **SVN, Jenkins, and Jenkins Jobs.**
* Resolved bugs/defects in application by coordinating with team members of the project to assure a positive outcome using **JIRA** and fixed defects identified during **QA, UAT** and **Production**.
* Used **log4j** for logging **GIT, SVN** as version management, **JIRA** for defect management system.
* Developed test cases and performed unit testing using **Junit** and configured **Karma** test runner for the project and documented test plans and tests cases using **Jasmine.**
* Administered and deployed the application into **GlassFish** application server.
* Created and assigned roles, container, and group policies in IAM, AWS. Implemented encryption in containers. Crated Lambda functions using Nodes.js, Java. configured deployment strategies and scripts using AWS CLI. Configured AWS containers for AWS and Customer Managed encryption.
* Developed **shell scripts**for automation of the build and release process.

**Environment: Web Services, Spring 4.x, Hibernate, HTML5, JSP, JavaScript**, **Angular JS, SOAP UI, XML, WSDL, Kubernetes, Java1.8, J2EE, Scala, Agile Methodology, JIRA processes, GIT, Design Patterns, PL/SQL, Junit, WebSphere MQ, Maven, Eclipse IDE, CVS and Oracle 11g.**

***Java Developer***

**November 2012 – July 2013**

**Capital One**

**McLean VA**

**Description**: HSBC Banking Application (CNBA) helps customers to check their account balance, funds transfer, transaction history, transaction status online. It also allows the customers to view bank’s branch locations and their timings. The transaction management plays a key role in this application. The customer can also track his loan status.

**Responsibilities:**

* Involved in all phases of **SDLC** including Requirements, Collection, and Analysis of the Customer Specifications, Development, Handling Change Request, Bug Fixing, Code Review and Customization of the Application.
* Created and deployed web pages using **HTML, CSS, JSP, JavaScript** and **jQuery**.
* Wrote code to fetch data from web services using **jQuery AJAX** via **JSON** response and updating the HTML pages
* Implemented MVC architecture using Spring, **Hibernate** frameworks for database persistence.
* Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions** and **Spring security modules** and also involved in Coding Server pages using **JSP**.
* Implemented persistence layer using **Hibernate** that uses the POJOs to represent the database tuples.
* Implemented **Hibernate** to map all the tables from different data sources to make database updating.
* Involved in writing **DAO**, **DTO’s** using Hibernate DAO Support.
* Used **Tomcat** as Web server to implement the Java **JSP, Servlets, JDBC, EJB**.
* Used **JMS** for the asynchronous exchange of critical data and events among **J2EE components. Publisher-Subscriber** method was used for data loading and **Point-To-Point** method of **JMS** was used for event processing.
* Developed Various CRUD operations by using **RESTful** web services.
* Developed **DAO** interfaces & implementations for database related operations using Hibernate and JAXB.
* Prepared **SQL/PL-SQL** scripts and **Stored Procedures** required to implement design get it fine-tuned from DBAs.
* Used **XML Web Services** using **SOAP** to register agents using non-java application.
* Used **Tomcat** Server to deploy the application. Used **Log4J** to capture the log that includes runtime exceptions.
* Used **Maven** build tool to build and deploy the application.
* Developed the **ANT** scripts for preparing **WAR** files used to deploy J2EE components.
* Used **Apache Storm** to get delivery responses from end-to-end and, also from streaming the transaction process.
* Created various unit test cases and integration tests for the **DAO** and Service using **JUnit**.
* Used Junit for testing the application. Developed **JUnit test cases** for **DAO** and **Service Layer** methods.
* Designed the data flow for the client-side screens and the object interaction layer for the server-side components using Rational Rose. Used **SVN** version controller to manage the code versions.
* Interacted with **Quality Assurance** team for requirements gathering and analysis.

**Environment: Core Java, java 1.7, DB2 EJB, struct 1.x, JMS, Spring 3.0, Multithreading, JDBC, Oracle, Junit, Apache Storm0.8.2, PL-SQL, SOAP web services, REST Web services, Tomcat server, Windows Azure, Rational Rose, JSF, WSAD 5.1.2, jQuery, Hibernate 3.0, LOG4J, CVS, NoSQL.**

***Oracle-Java Developer***

**February 2010 –September 2012**

**OSSE – Department of Education**

**Washington DC.**

**Description:** This is related to hospital management to store information like: patient details, medical history and allergic information. This system provides Patient Administration, Billing and Pharmacy Management functions for the hospital. The Major function of this system is to provide and share the patient health records and access with other insurance companies through SOAP services.

**Responsibilities:**

* Designed and developed necessary **UML** Diagrams like Case, Class, Sequence, State, and Activity diagrams.
* Used **Rational Application Developer** (RAD) for development.
* Used **Collections, Multithreading, Exception Handling, Generics** and **Java I/O** to implement business logic.
* Extensively applied various design patterns such as **MVC-2, Front Controller, Factory, Singleton, Business Delegate, Session Façade, Service Locator, DAO** etc. throughout the application.
* Implemented the project as a multi-tier application using **Struts** along with **JSP** for the presentation tier.
* Used XML for the data transfer to the different layers and **HTML** and **JavaScript** for the front-end development.
* Used the **Struts Validation Framework** for validation and **Struts Tiles Framework** for reusable Presentation components at the presentation tier.
* Developed various Action Classes that route requests to appropriate handlers.
* Developed Session Beans to process user requests and Entity Beans to load and store information from database.
* Used **JMS** for reliable and asynchronous messaging the different components.
* Used **JDBC** to retrieve data from the Database and did the inserting and deleting operations in the database.
* Developed Stored Procedures and complicated queries for **MySQL**.
* Involved in designing unit test plans and developing test cases using **Junit** during the development phase.
* Extensively used **log4j** for logging throughout the application.
* Used **CVS** for efficiently managing the source code versions with the development team.

**Environment: Spring 2.5, hibernate, JSP, Core Java, web services, Ajax and Java Script, XML, Oracle 9i & Web logic 9.2, JavaScript, XML, Java J2EE 5, Struts, JUnit, CVS, Web Services, RAD, MySQL, JUnit, Log4j, Web sphere Server, HTML, Windows XP, Unix**

**Capital One**

***DBA/ Java Developer***

**March 2009 –February 2010**

McLean, VA

* Deployed database objects from development/testing to production environment.
* Performed Quality assurance and performance tuning.
* Troubleshoot clients' database related issues during implementation, maintenance, upgrading and migration process. Responsible for keeping system and databases up-to-date by making necessary changes
* Installed and configured Oracle 10g/11g on Windows and UNIX Operating System.
* Installed and administered Oracle 8i, 9i and 10g on UNIX/Linux
* Designed and developed applications using Java EE platforms
* Identity Manager tool used to administer user access at Enterprise Level on RAC
* Install and Maintain applications using Oracle or Sequel Server databases as back ends.
* Wrote queries/stored procedures using PL-SQL
* Written/conducted test-driven development
* Designed and Created databases, tables, views, stored procedures and triggers.
* Created and supported complex database schemas
* Configured failover support, clustering, RAIDs, mirroring
* Configured Transactional, Snapshot and Merge Replications
* Experience in Database Backup, Recovery and Disaster Recovery procedures.
* Troubleshoot & develop production issues across multiple environments and operating platforms.
* Exporting and importing full database and schemas using Data pump
* Performed refreshes using export/import and RMAN utility
* Configured and implemented RMAN Backups
* Provide onsite client support on 24/7.

**Smart Equip Inc.**

**April 2008 –February 2009**

***Database Developer***

**Norwalk, CT**

* Administer MYSQL on Windows Server, Java. Apply Service Packs and security Fixes
* Designed and Created databases, tables, views, stored procedures and triggers.
* Created groups, roles, users and assigning access privileges to users.
* Created user defined data types and added them to model database for future purpose.
* Setting up database backup and recovery procedures for production, quality and development servers.
* Active Directory administration, user logon scripts
* Security administration over web servers, mail servers using SSL sockets, firewall
* Created DTS/SSIS packages for migration of data from SQL Server to MS Access or Oracle databases.
* Created logins and users as and when required with specific roles on production server.
* Installed and Upgraded Oracle 9i/10g on Solaris, Redhat Linux & AIX

***DBA/Java Developer***

**January 2007 – April 2008**

**Capital One**

Richmond, VA

* Tested backup and recovery strategies in a test environment before and after moved to production environment.
* Deployed database objects from development/testing to production environment.
* Performed Quality assurance and performance tuning.
* Troubleshoot clients' database related issues during implementation, maintenance, upgrading and migration process. Responsible for keeping system and databases up-to-date by making necessary changes
* Installed and administered Oracle 8i, 9i and 10g on UNIX
* Migrated data from Oracle to Sequel Server and Vice versa using Integration Services and DTS/SSIS packages
* Designed and Created databases, tables, views, stored procedures and triggers.
* Created groups, roles, users and assigning access privileges to users.
* Configured Transactional, Snapshot and Merge Replications
* Migrated and Upgraded oracle databases from 9i - 10g
* Applied various patches based on application requirement
* Performed refreshes using export/import, Data Pump, RMAN and TABLESPACE Backup/Restore
* Involved in performance tuning Oracle database using AW reports
* Generating Reports using Oracle Forms

***Database Developer***

**J. P. Morgan & Chase**

**November 2006 –February 2007**

**Columbus, OH**

* Designed and Created databases, tables, views, stored procedures and triggers.
* Audit oracle and MSSQL databases for SOX compliance.
* Created user defined data types and added them to model database for future purpose.
* Setting up database backup and recovery procedures for production, quality and development servers.
* Created DTS/SSIS packages for migration of data from SQL Server to MySQL or Oracle databases.
* Created logins and users as and when required with specific roles on production server.
* Created Configured Virtual server and set up MySQL, VMC as failover support.
* Managed Enterprise Manager, Grids, Rac.
* Wrote the coding guidelines documents for SQL developers.
* Provided training to development team on performance tuning and SQL best practices for enhancing application output.

***Computer Systems Analyst***

**Aurora Micro Systems Inc.,**

**May 2005 –November 2006**

**Sudbury ON**

* Installed SQL server 2000 on windows 2003 advanced servers, applied service packs and security fixes.
* Maintained Exchange Mail server creating user accounts.
* Installed and maintained Microsoft CRM customer relations database.
* Setting up database backup and recovery procedures for production, quality and development servers.
* Security administration over web servers, mail servers using SSL sockets, firewall
* Created logins and users as and when required with specific roles on production server.
* Configured SAN (Storage Area Network) networks, Fiber Channel as Shared on 4 Node Windows 2003 Cluster.
* Extensive experience in using BCP, automate task for various database maintenance issues like Backup, DBCC, Update Statistics, BCP, Exporting and Importing data, Security planning and monitoring.
* Imported data from text files and excel spread sheets into SQL Server 2000 database using DTS/SSIS/SSAS package.
* Created file groups with Enterprise manager.
* Provided training to development team on performance tuning and SQL best practices for enhancing application output.