

Abinash Karki
Java Full Stack Developer - [LinkedIn](#)

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Summary:

- Around **8** years of experience in software design and development of Object-Oriented Software application development in Java and J2EE technologies.
- **Won** a company wide Hackathon 2022 by developing an application which used facial recognition and question prompts to determine a person's level of happiness, sadness or moderate mood
- Experienced in developing AI-powered web application ([thedrive.ai](#)) using React, **OpenAI GPT-3**, and AWS for frontend, AI, and deployment respectively, including features such as document storage, indexing, querying and AI-assisted writing.
- Full Software Development Life cycle (**SDLC**) experience in Analysis, Design, Development, Implementation, Testing, and Maintenance.
- Experience in working with **REST**, SOAP, Spring, Hibernate and Web Services.
- Expertise in designing and developing enterprise and web applications from design blueprint using java and J2EE technologies like Core Java, JSP, Java Script, JDBC, Web Services, Spring, REST, XML, SQL, XSL, HTML, CSS, ReactJS, Node.js and LOG4j.
- Experience in building web applications using **Spring Framework** features like MVC (Model View Controller), Spring Batch, Spring Webflux, Spring Security, and template classes.
- **TDD** (Test driven development) approach using Junit, Mockito framework.
- Continuous integration and Continuous delivery (CI/CD) using Jenkins on Linux/Unix server.
- Proficient in working with Databases like **Oracle** 11g/10g, MS SQL server, **MySQL**, Mongo, in writing complex SQL queries.
- Vast experience in cloud technologies such as **GCP (Certification Holder)** and AWS tools

Skills:-

| | |
|------------------------------|--|
| Programming Languages | : Java, PL/SQL, Python |
| Java/J2EE Technologies | : Servlets, EJB, JPA, JDBC, JSP, JSTL, JNDI |
| Frameworks | : Spring, Spring Webflux, Hibernate, Spring Security |
| Application/Web servers | : Apache Tomcat 8, Jenkins |
| Relational Databases | : Oracle 11g, MySQL, DB2, PostgreSQL |
| NoSQL Databases | : MongoDB, Cassandra, Firestore |
| Internet Technologies | : HTML 5, JavaScript, XML, CSS, jQuery, AngularJS, ReactJS, Node.js. |
| Cloud Environments | : AWS, GCP, OpenShift, Netflix Eureka, Kubernetes, Linux, Unix |
| IDE | : Eclipse, IntelliJ, Spring Tool Suite (STS), VS Code |
| Testing & Bug tracking Tools | : JUNIT, JIRA, Bugzilla, Drools, Jest |
| Methodologies | : Agile, TDD(Test-Driven-Development), Pair Programming, Scrum |
| Build Tools | : Maven, Gradle, Terraform |
| Web Services | : REST, JAX-WS, JAX-RPC, JAX-RS, Apache Axis |

EDUCATION & CERTIFICATIONS

B.S Computer Science Engineering

JNTUH University

2015

[Google Cloud Certified Associate Cloud Engineer.](#)

Experience:-

Client: ProSight Global, Morristown NJ

Jan 2023 – Present

Role: Sr. Java Full Stack Developer

Responsibilities:

- Optimized an web application by 10% in Java/J2EE using Spring MVC framework.
- Led the adaptation of a critical customer service module by interfacing with existing SOAP and REST Java services, which involved streamlining data retrieval from legacy insurance claim systems.
- Orchestrated a feature update on the company's core insurance system by optimizing SQL queries through Hibernate, reducing data retrieval times by 15%.
- Developed the User Interface using HTML5, CSS3, JavaScript, jQuery and enhanced response using Bootstrap and AngularJS.
- Implemented Micro-Services based Cloud Architecture using Spring Boot, Netflix Eureka.
- Created and Configure Micro-services architecture for CDT Directory project and integrated with AngularJS application.
- Used Java8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
- Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for micro-services.
- Development of cloud hosted web applications and REST APIs using Spring Boot with embedded Tomcat.
- Build Restful API web services using Node.js and used a full complement of AngularJS, Node.js, and Mongo DB to store and present assessments.
- Implemented Spring Batch for Batch processing with which notifications are sent in time.
- Used design patterns like Singleton, Data Access Objects, Factory and MVC patterns.
- Implemented the authentication and authorization of the application using Spring Security and OAuth.
- Implemented Core Java concepts like Multithreading, Concurrency, Exception Handling and Collections wherever necessary in the application.
- Developed scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker.
- Deployed the application on Amazon Web services (AWS) and used it to provide a large computing capacity for scalable solutions.

Environment: Java 1.8, J2EE, GCP, HTML5, CSS3, JavaScript, Oracle, AngularJS, Mongo DB, Spring, Spring boot, Spring Webflux, Hibernate, JUnit, JMS, log4j, REST, Jenkins, UNIX, Jira, HTML5, Webservices, tomcat 8, JPA

Client: Deutsche Bank, NYC

Oct 2020 to Dec 2022

Role: Full Stack Java Developer

Responsibilities:

- Won DB Mental Health Hackathon 2022 by developing an application which used facial recognition and question prompts to determine a person's level of happiness, sadness or moderate mood.
- Designed and implemented an enhanced search feature for the bank's digital portal, harnessing Hibernate for ORM solutions.

- Streamlined existing transactional modules by integrating Java Spring Boot, reducing backend processing time and significantly improving the responsiveness of the associated Angular-based UI components.
- Managed the migration of transactional data across SQL platforms, utilizing Hibernate to preserve data integrity, leading to a successful transition with zero discrepancies.
- Enhanced the internal web app performance by 20% in 5 months by upgrading the Java Spring Boot APIs and redesigning Angular UI with latest stable version.
- Leveraged OpenShift to efficiently deploy and manage SpringBoot-based web applications in the Investment Banking Reference Data Service team, streamlining application updates and improving overall operational efficiency.
- Implemented a Kafka publisher and Solace consumer system in a Spring boot application to consume large amount of data from vendors, process that data and publish those data to consumers.
- Focused on Test Driven Development there by creating detailed JUnit tests for every single piece of functionality before writing the functionality.
- Developed the monolithic application and involved in migrating existing monolithic application into Micro Service Architecture based RESTful Service and deployments were done on AWS.
- Maintained Interface compatibility and concurrency in the project using Java 8 new features like Lambda Expressions, default, static methods and Concurrency API.
- Proficient in using Terraform to script and automate the deployment and management of AWS infrastructure.
- Optimized Deutsche Bank's proprietary financial analytics engine by integrating Oracle database, enhancing query efficiency by 30%, and ensuring seamless transactional data flow.
- Developed server-side components in Java using J2EE framework for web portal.
- Worked with container services, docker and Kubernetes.
- Used core Java J2EE Spring Boot Hibernate JPA MVC Struts Servlets
- Used REST RESTful API Web Services JavaScript HTML CSS XML JSON AJAX Shell UNIX Service Oriented Architecture JDBC Maven Jenkins Automation Build Tools Version Control Git Oracle.
- Worked on client & server-side JavaScript, HTML5, CSS3, AngularJS, ReactJS, Node.js and webpack.
- Worked in Cloud AWS and GCP environment leveraging various web application development and deployment technologies.

Environment: Java, J2EE, GCP, Python, HTML, CSS, ReactJS, Node.js, AngularJS, JavaScript, Spring, Spring Boot, Spring Batch, Spring MVC, Ec2, S3, SDK, MySQL, JDBC, AWS, Eureka, REST, RESTful, Eclipse, MAVEN, Jenkins, JBoss, MongoDB, GIT, PL/SQL, Docker, JIRA, Kafka, Solace, JMS.

Client: Howard Bancorp, Maryland, MD

Jan 2019 – August 2020

Role: Full Stack Java Developer

Responsibilities:

- Used the Agile Model for designing, implementing, and developing the Application.
- Implemented SOA architecture using Enterprise Service Bus (ESB).
- Developed databases using MySQL.
- Involved in developing front-end screens using Angular, JSP, JSTL, DHTML, HTML, CSS, AJAX, and JavaScript.
- Worked on XML, XSD and XSLT to parse the request and create the new one based on the specification.

- Used Java Message Service (JMS) to alert customers about order status and transactions. Used IBM MQ as broker to communicate with JMS.
- Utilized Core J2EE design patterns such as Singleton and Data Access Object (DAO) in the implementation of the services.
- Deployed Java Springboot application to Linux box.
- Worked with OOPS concepts and developed the project for Mobile Application.
- Used Spring Framework as middle-tier application framework, persistence strategy using spring support for Hibernate for integrating with the database.
- Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for your solution in a single, coordinated operation.
- Used Spring Framework for Dependency injection and integrated with the EJB 3.0 using annotations.
- Generated Hibernate XML files for the configured beans. The business logic was written in EJB DAO classes, and the service layer classes were configured in Spring-service.xml.
- Used Spring Boot, which is radically faster in building and developing spring-based applications with less configuration.
- Re-design and implement CI build system using Jenkins (DevOps).
- Using Azure Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
- Developed web service components from WSDL files for invoking the methods using SOAP.
- Published JAX-WS SOAP web service where all the requests will be routed to this Single Point Service and based on the request, they are forwarded to the corresponding legacy operations.
- Used Spring JDBC for accessing the DB2 database. Involved in writing SQL, Stored procedures for the back end.
- Improved database performance by recognizing and rewriting slow queries.

Environment: Java, j2ee, Azure, HTML5, CSS 3, JavaScript, Angular JS, JMS, IBM MQ, Spring, Hibernate, JPA, Soap, JAX-WS, JUnit, JDBC, MySQL, Unix, Jira, WebSphere, Agile, Git.

Client: Total Trax Inc, Newport, DE

Nov 2017 – Dec 2018

Role: Java Developer

Responsibilities:

- Engaged in all aspects of the development lifecycle from design to coding, testing and deployment, to production support.
- Used different services of AWS like IAM, EC2, S3, Secrets, config, lambda etc. to provide support to cloud services.
- Developed spring boot application using Oracle Database.
- Used Java Message Service (JMS) API to create, send, receive, and read messages to main asynchronous communication and ActiveMQ is used for notification purposes.
- Designing and implementing the User Interface using Angular.
- Created reusable components and services to consume REST APIs using component-based architecture provided by Angular.
- Used Apache Kafka for data analysis with AWS and JAVA.
- Designed Prototype and project layout skeletons using jQuery UI, CSS and HTML5 for internal administrative application services.
- Designed and developed RESTFUL web service using Spring Boot and Jersey framework.
- Used Spring Boot which is radically faster in building cloud Services and developing spring-based applications with very less configuration.

- Implemented Spring Bean Factory using IOC Configures Bean properties using dependency injection.
- Migrating existing applications into REST-based Microservices to provide all the CRUD capabilities using Spring Boot.
- Developed databases using MySQL.
- Utilized Core J2EE design patterns such as Singleton and Data Access Object (DAO) in the implementation of the services.
- Used the fundamentals of Java 8 to handle the search.
- Developed the application using industry-standard design patterns like Singleton, Business Delegate MVC, and Factory Pattern for re-usability.

Environment: Java, AWS (IAM, S3, EC2, Secret), HTML5, CSS3, JavaScript, Restful Web Services, Rest Services, Spring Boot, Jersey, Micro Services, Node.js, JIRA, JMS, MongoDB, Apache Kafka, Jenkins

Client: CA Technologies, India

Aug 2015 – Oct 2017

Role: Java Developer

Responsibilities:

- Engaged in all aspects of the development lifecycle from design to coding, testing and deployment, to production support.
- Used different services of AWS like IAM, EC2, S3, Secrets, config, lambda etc. to provide support to cloud services.
- Used Java Message Service (JMS) API to create, send, receive, and read messages to main asynchronous communication and ActiveMQ is used for notification purposes.
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Environment: Java, JDK, JSP, Web Services, XML, Oracle, Struts, servlets, MVC Pattern, JavaScript, Apache Tomcat, PL/SQL