**Anmol Haksar**

**Professional Summary:**

* Software Developer with 10 years of professional industry experience in designing and developing Frontend and Backend of web applications using Java & JavaScript and frameworks like Spring Boot, Angular, React.js. and deploying on Cloud environments using Docker and Kubernetes
* Strong analytical and time management skills along with a passion and enthusiasm for problem solving and development
* Experience in all phases of Software Development Life Cycle (SDLC) process including analysis, design, development, integration, testing, maintenance, and support of Web-based enterprise applications.
* Expertise in Java programming and have good understanding on OOPs, Collections, Exceptions Handling, Input/output (I/O) System, Annotations, Concurrency, Multi-Threading.
* Skilled in Spring framework modules like Spring MVC, Spring Batch, Spring Security, Spring Data, Spring Cloud, along with JPA,Hibernate.
* Experienced in working with the Java 8 and above features like Lambda Expressions, Pure Functions, Streams API, Functional Interface to implement functional programming paradigms
* Developed server-side applications using Spring Boot applications.
* Extensive experience in building rich, single-page applications using HTML, CSS3, Java Script, TypeScript, Angular, ReactJS.
* Experienced in securing the applications using Spring Security with different authentication/ authorization techniques includes Basic Authentication and Token based JWT.
* Experienced in DB Design, DB normalization and writing SQL queries, Triggers, Sequences, Indexes and View
* Comfortable working with MySQL and Oracle DB.
* Working experience of NoSQL Relational DBMS like Azure Cosmos.
* Used JUnit/Mockito Framework to perform Unit testing of the application.
* Experience in scripting languages like UNIX, Python
* Experience in issue tracking and agile project management activities using JIRA.
* Automated deployment workflows using CI/CD pipelines integrated with Kubernetes (e.g., Jenkins, Docker, GitLab).
* Experienced in deploying and managing containerized applications using Kubernetes.
* Experience in using the build tool Maven to compile and package the components.
* Extensive experience in testing on multiple operating systems including UNIX, Linux, and Windows.
* Experience in configuring and deploying applications on Apache Tomcat, IBM WebSphere Application servers.
* Expertise in using configuration management tools like Git and Svn for version control.
* Experienced in Development, testing and deployment of enterprise applications on Windows & UNIX platforms using IDEs such as Eclipse, IBM RAD, Visual Studio Code.
* Configured CI/CD pipelines on AWS/Cloud platforms to automate deployment and ensure reliable, scalable application delivery.
* Experienced in using JMS, IBM MQ, Apache Kafka for messaging and asynchronous processing.

**Technical Skills:**

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| --- | --- |
| Languages | Java 8, Java 17, JavaScript, TypeScript, Python, SQL, Bash |
| Backend Frameworks | Spring, Spring Boot, Spring Web Flux, REST, Hibernate, Apache Kafka |
| Frontend Frameworks | React.js, Angular, Material-UI, jQuery, CSS |
| Databases  | Oracle, Postgres, DB2, Snowflake, Azure Cosmos, NoSQL, MongoDB, Redis |
| Tools | Google Cloud Platform, AWS, Azure, jUnit, Mockito, Apache Tomcat, Beam, JBoss, JMS,IBM MQ, Apache Kafka |
| Version Control/Build Tools | Git, SVN, Maven, Jenkins, Docker, Kubernetes |
| Additional | Agile, Kanban, Jira, Unix |

**Professional Experience:**

**Client: Chicago Mercantile Exchange - Chicago, Illinois Oct 2024 – Till Date**

**Full Stack Developer**

**Project Description:** Developing features for web application which provides dynamic reporting functionality to regulators in USA and Canada.

**Responsibilities:**

* Worked across the stack - from frontend to database stored procedures in Postgres
* Processed files stored on cloud storage using Apache Beam (Java API) for Big Data processing
* Created API to allow multiple SQL queries to be sent from frontend to be executed on database and return the response.
* Built entire REST API backend from scratch using Spring Boot for consumption by frontend with Snowflake as database.
* Was part of migration from on prem to GCP which involved database change from Oracle to Postgres.
* Used GCP services like Cloud Storage, Cloud SQL and Dataflow for Big Data processing
* Implemented JWT token mechanism for securing the application using Spring Security and Filters
* Used Material-UI drag and drop module to create functionality that generates SQL queries based on user modifications in ordering.
* Created and managed tickets for bugs, enhancements, and new features, ensuring clear visibility and accountability across the team.
* Customized Material-UI autocomplete library to add features like click to show more results, make matching characters of input to bold in the list of results and define minimum length of input.
* Experienced in using command line tools for Google Cloud and Kubernetes (kubectl).

**Environment:** Java 17, Spring, Web Services REST, GCP, Big Data, Git, Jenkins, Maven, Postgres, Angular, React JS, Messaging.

**Client: Ryan Insurance - Chicago, Illinois Aug 2022 – Sept 2024**

**Full Stack Java Developer**

**Project Description:** Working with American Insurance Company to maintain software that tracks Insurance & Claims.

**Responsibilities:**

* Implemented recursive code to transform flat data from database to nested JSON structure to be used by frontend.
* Developed backend code to generate next number in sequence based on custom logic
* Created dynamic email template functionality with editable text input fields
* Developing features for Java web application which provides a modern UI to legacy system using the legacy system API.
* Set up Customization yaml in Kubernetes Service for containerized workloads
* Experienced in using yaml files to configure system variables for different environments
* Setup new front-end reports using Angular and Material UI
* Extensively used Java features like Functional interfaces and Java Lambda expressions to incorporate functional programming in code and used the Streams API to perform operations like filtering and grouping of the collections.
* Used Spring REST features to develop API and call other 3rd party APIs
* Created and Utilized Oracle SQL tables with relations for use with Spring Data JPA and Hibernate.
* Used Selenium for automation testing of web application feature
* Utilized AWS API Gateway for implementing Microservices architecture
* Used Java Message Service (JMS) for messaging and for asynchronous functionality. Used IBM MQ as JMS provider
* Unit and Integration testing of developed code using jUnit and Mockito
* Practiced Cloud Native development using Docker and Kubernetes

**Environment:** Java, Spring Boot, Angular, Material UI, TypeScript, Oracle, AWS, Docker, Kubernetes.

**Client: Accenture – Nomura, Mumbai, India Feb 2020 – Aug 2021**

**Full Stack Developer**

**Project Description:** Worked with banking client on application to process incoming trade files.

**Responsibilities:**

* Implemented UI to show hierarchy of projects of the client
* Built entire REST API backend from scratch using Spring Boot for consumption by Angular frontend with Snowflake as database.
* Reduced costs by implementing features of a licensed UI library using OpenSource libraries to perform functions like showing nested hierarchy of projects as a table with functionality display context menu on right click, toggle on click
* Extensive experience with Chrome Dev Tools to debug code of different JS frameworks.
* Created Jenkins pipeline to run on git push to build code and deploy war to central nexus repository. Added option to select branch and type of release as options while running pipeline
* Integrated with Microsoft Active Directory LDAP server for authentication
* Utilized AWS Services like S3, Lambda, ECS through the AWS SDK.
* Created Docker files to enable deployment of multiple instances of microservices to Kubernetes.
* Tested created web services using Postman and created documentation using Swagger.
* Integrated with 3rd party APIs to fetch and transform JSON data to a suitable format for use by the frontend
* Took part in setting up code coverage reports using SonarQube.
* Have extensive experience working in UNIX environments and its commands.
* Participated in requirement gathering calls with clients and converted their expectations to designs

**Environment:** Java, Spring Boot, JavaScript, TypeScript, React JS, AWS, UNIX, Maven

**Client: CitiusTech – Pharmaceutical Product Development , Mumbai, India May 2018 – Feb 2020**

**Full Stack Web Developer**

**Project Description:** Worked with an American Healthcare company to build application which handles clinical trials.

**Responsibilities:**

* Created Web UI Components like Notification and Alert Modal using React Hooks, TypeScript and Redux
* Updated React.js classes code to use newer features like React Hooks
* Utilized Executor Framework for working with thread pools in Java.
* Worked with an American Healthcare company to build application which handles clinical trials
* Used Kafka for implementing messaging functionality to process bulk files.
* Integrated JIRA with CI/CD tools and version control systems to automate workflows and enhance development efficiency.
* Upgraded Spring Boot backend application from Java 8 to Java 11 and utilized new features

**Environment:** Java 8, Spring Boot, REST, React JS, GIT, Jenkins, Maven, Oracle, React JS, Messaging.

**Client: Capgemini – Synchrony Financial, Mumbai, India Feb 2017 – April 2018**

**Java UI Developer**

**Project description:** Worked with Financial client to customize workflows in off the shelf products for gift card processing

* Responsibilities:
* Built Java Microservice API endpoints using Spring Reactive Web flux and Spring Cloud technologies like Eureka, Spring Cloud Gateway which were deployed on Azure
* Implemented end to end reactive stack using Azure Cosmos NoSQL DB with Spring Reactive database repositories
* Created API to update tables based on varying user inputs
* Created web functionality to create CSV file using UI.
* Performed automated testing using Selenium
* Worked on patching web security vulnerabilities in the application like XSS
* Implemented caching in Spring application using Redis

**Environment:** Java, Spring Web flux, SQL, Azure, Maven.

**Client: Tata Consultancy Services – National Securities Depository Limited, Mumbai, India Aug 2014 – Jan 2017**

**Full Stack Java Developer**

**Project Description:** Worked with government organization on application responsible for managing pension operations of Indian Citizens

**Responsibilities:**

* Developed front and back end of Java, JavaScript, jQuery web application
* Code and SQL(IBM DB2) Optimizations by batching inserts and analyzing explain plans and Unit Testing of the developed code
* Created Bash scripts for activities such as automation
* Using Spring Batch to create reports and Maven for build.

**Environment:** Java, Spring, JavaScript, jQuery, IBM DB2, IBM MQ Messaging.

**Education Qualifications**:

**Mumbai University**: *Bachelor of Engineering in Information Technology (2010 – 2014)*

**Binghamton University, State University of New York**: *Master of Science in Computer Science (2021 – 2023)*