**Ajay G**

**Sr. Full Stack Java Developer**

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**PROFESSIONAL SUMMARY:**

* **Full Stack Java developer with around 7 years of experience** in developing web-based client server applications, data solutions, Intranet/Internet Enterprise Software applications.
* Good experience in Software Development life cycle using various methodologies like **Waterfall, Agile and Test-Driven Development.**
* **Core Java** expert with extensive knowledge of Garbage Collector, Collections, Multithreading, Event Handling, Exception Handling, and Generics.
* Experience in building corporate applications and distributed systems using technologies such as **Core Java, J2EE** (**Servlets, JSP, JSF, EJB, STRUTS, Hibernate, SPRING, SPRING MVC, JDBC, JMS**), and **XML RESTful Web Services, SOAP Web Services.**
* Contributed to **Java** **11** Multithreading, Collections, and the Coherence Framework. Java Multithreading was used to update the cache at predefined intervals.
* Experienced in developing responsive and mobile-friendly web interfaces with **HTML** and **CSS**, delivering a consistent user experience across devices and screen sizes.
* Built applications by implementing the bundle budget, angular components, and the Native script idea of **Angular 10.**
* Accomplished API developer with a strong background in designing, developing, and deploying RESTful APIs. Adept at creating efficient and scalable solutions that facilitate seamless communication between applications and enhance user experiences.
* Solid web development experience using OOP, PHP, AJAX, MySQL, JavaScript,
XML, HTML, and CSS.
* Proficient at maximizing JavaScript ES6's enhanced capabilities to improve code productivity, readability, and maintainability.
* Experienced in **OWASP** security protocols using AJAX/JQuery
* Strong expertise in leveraging the MEAN stack (**Mongo, Express, Angular,** and **Node**).
* Expertise in designing **single-page applications (SPAs**) using **JavaScript** Frameworks such as **Angular JS, React JS, Node JS, Backbone JS,** and reusable components.
* Experienced in developing new validations for form fields using **Angular JS** and implementing them in **HTML.**
* Experienced in designing **Micro Services** for high performance and inter-application connectivity. **Rest APIs** and **Spring Boot** were used to deploy new libraries with **Micro Services** Architecture.
* Experience with **SQL** and **PL/SQL** to query different Relational Database Management Systems such **as Oracle, MS SQL, MySQL, DB2,** and **PostgreSQL**, as well as **No SQL** databases such as **Mongo DB, CouchDB, Cassandra, Dynamo DB,** and **Graph DB.**
* Experienced in using **Amazon Cloud Watch** to monitor **AWS services** and logs to monitor application performance.
* Proficient in creating and deploying apps on **Google Cloud Platform (GCP)** using a variety of **GCP** services and technologies.
* Skilled in designing and implementing **Azure SQL Databases** for data storage and administration, employing **Azure SQL tools** and technologies.
* Employed **Docker** Containers, utilizing Linux Containers and AMIs to produce **Docker** Images/containers and **Kubernetes.**
* Proficient in installing and maintaining containerized apps on **Kubernetes** clusters, making use of its orchestration and scalability features.
* Expertise with unit testing tools such as **Junit, Karma, Jasmine, JMeter, and Protractor**, as well as integration testing technologies such as **Mockito.**

**Technical Skills: -**

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| **Languages**  | Java 17, C, C++, JavaScript, SQL,PHP, PL/SQL |
| **Tools & Framework**  | Spring Boot, Spring,Laravel Spring MVC, OWASP, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Cloud, JUnit, Mockito unit. |
| **J2SE/J2EE Technologies**  | Java 17,11,9, Java Servlets, Java Server Pages 5.1,5.0,3.1 (JSP), JDBC, Java Naming and Directory Interface (JNDI), Java persistent API (JPA) |
| **Web services**  | Nginx, RESTful APIs, Apache Spark, SOAP Web Services |
| **Web/App Servers**  | Spring MVC, Node.js, Express.js, Angular.js, React.js |
| **Mark**-**up/Front-End Technologies**  | HTML 5, CSS, CSS3, Bootstrap, Angular.js, React.js, JQuery, Angular 11, Redux or React Context API, Thunk or Redux Saga, Foundation.  |
| **Cloud Technologies**  | AWS services, Google Cloud Platform (GCP), Azure, DevOps |
| **Database**  | MongoDB, NoSQL, Dynamo DB, Graph DB,MySql,Postgresql |
| **O-R Mapping Frameworks**  | Spring SQL**,** Hibernate, Eclipse Link, Spring Data JPA |
| **Testing Tools/ Others**  | Junit 5, Karma, Protractor, Mockito, Postman |
| **Version Control**  | GIT, Bitbucket |
| **Build Tools**  | Maven, Gradle, Google Cloud,PHPunit |
| **IDEs**  | Eclipse, IntelliJ IDEA, Visual Studio, Visual Studio Code |
| **Platforms**  | Windows, MacOS, LINUX, OS and environment  |

**Professional Expérience : -**

**Client: Walmart Dec 2022-Present**

**Location: Bentonville, AR**

**Role: Sr. Full Stack Java Developer**

**Responsibilities**:

* Implemented the **SDLC** process, including design documentation, technical specifications, user manuals, and release notes, to provide clear communication and knowledge transfer throughout the team.
* Worked in a highly dynamic **AGILE** environment and participated in **SCRUM** meetings.
* Collaborated closely with cross-functional teams to prioritize and manage backlog items, ensuring project goals are achieved.
* Worked with back-end **Java technologies** such as **Web services, Java Persistent API (JPA), Java Messaging Service (JMS), Java Database Connectivity (JDBC), and Java Naming and Directory Interface (JNDI).**
* Conducted rigorous security assessments for the application using tools like Burp suite, SQL Map, Fi map, Directory Buster, OWASP Zap, Nessus, Nmap, Kali Linux.
* Built **Lambda Expressions**, **Functional interfaces Stream API, Time API, and Collection, Concurrency, and IO developments** using **Java 11**.
* Created admin for data manipulation and reports using PHP, NoSQL and HTML
* Designing and developing user interfaces using HTML/CSS, Javascript, and AJAX
* Designed and Developed end-to-end security strategy and Applications by following OWASP top 10 project.
* Experience in fixed security issues and Developed security strategy and applications by following top 10 Project.
* Proficient in PHP, with hands-on experience in developing dynamic and responsive web applications. Skilled in writing clean, well-documented, and efficient code.
* Developed e-commerce platforms using PHP and integrated secure payment gateways to enable smooth and secure online transactions. Ensured data protection and PCI compliance.
* Developed Web UI Applications using **HTML5, CSS3, Boot Strap, Java Script, Ajax, JQuery, Angular.js, React.js, Express.js, Node JS, JQuery UI,** and **Spring MVC.**
* Leveraged pre-built components and responsive grid systems to accelerate front-end development with **CSS** frameworks like **Bootstrap**or**Foundation**.
* Improved the User Interface by using **Angular 8**, Angular Material, Bootstrap, and Priming.
* Used **Angular 10** to create a robust single-page application and a dynamic responsive Web Application. Upgraded from **Angular 8 to Angular 10** to take advantage of the latest features.
* Implemented state management utilizing **Reacts** built-in state, **react** hooks, or state management frameworks to manage complicated application states.
* Successfully switched **React**routing to **Angular** Router, guaranteeing seamless navigation and retaining the same URL structure.
* Demonstrated expertise in using Tailwind CSS to create responsive, modern, and efficient user interfaces for web applications.
* Integrated **Spring Cloud** components**,** such as **Spring Cloud Config, Spring Cloud Netflix (Eureka, Ribbon, Hystrix),** or **Spring Cloud Gateway,** to develop microservices-based architectures.
* Implemented in developing **Web API** using **REST** for connections with legacy systems.
* Designed and created business components for **Microservices** using Java/J2EE and **Spring** **SQL**, and deployed REST web services based on **RESTful APIs**.
* Used **Node.js** and **Socket.io** to create a real-time chat application that allows users to communicate efficiently. **MongoDB** was used as the database to store chat messages, and efficient searching was created for message retrieval.
* Utilized Tailwind CSS's built-in utility classes for Flexbox and CSS Grid layouts, enabling the creation of dynamic and adaptable layouts with minimal effort.
* Built a complete e-commerce platform using Laravel, enabling customers to browse products, add to cart, and checkout securely.
* Skilled in encapsulating data and behavior within classes, minimizing external dependencies and improving code security. Use abstraction to expose only essential details to other parts of the program.
* Perform security analysis and identifying possible vulnerabilities following OWASP standard.
* Developed and deployed disaster recovery solutions utilizing **AWS services** such as **AWS Backup, AWS S3 Cross-Region Replication,** and **AWS Database Migration Service (DMS).** Ensured data backup, replication, and recovery processes for high availability and business continuity.
* Worked with **Amazon web services**, such as storing and retrieving files with **AWS S3**, accessing, and maintaining files with **AWS IAM,** and managing by developing IAM policies.
* Strategically planned and implemented the migration of large-scale data from **GCP** databases to **AWS**, preserving data integrity and minimizing downtime, resulting in seamless data transfer.
* Designed a **PostgreSQL** relational database structure for a data-intensive web application.
* Deployed a scalable web application using **Docker** and **Kubernetes** on **GCP**. Used **Kubernetes** horizontal pod autoscaling (HPA) to dynamically modify the number of replicas based on traffic demand.
* Implemented **Karma** and **Jasmine** for automated browser testing of an **AngularJS** application. Unit tests for controllers, services, and directives were created to ensure the application's appropriate operation across several browsers and systems.
* Conducted unit testing and integration testing using tools like **Jest, Enzyme, or Testing Library** to ensure the quality and reliability of **React** components.
* Implemented **Git** submodules for managing external dependencies and shared code across multiple projects, allowing for efficient code reuse.
* Integrated **Git** in the project allowing for smooth network and code review procedures with pull requests. Facilitated team code reviews, responding to input, and assuring code quality and consistency.
* Used **JIRA** as the primary project management platform for an agile software development project using the Scrum methodology. In **JIRA**, my team created and managed user stories, sprint backlogs, and sprint boards to provide clear visibility and progress monitoring.

**Environment**: SDLC, AGILE, SCRUM, Java technologies,OWASP, Lambda, Java 8, HTML5, CSS3, Angular.js, React.js, Express.js, Node JS, Spring MVC, Bootstrap, Angular 8, Angular 10, REST, Microservices, Spring SQL, Node.js, Socket.io, MongoDB, AWS services, PostgreSQL, Docker, Kubernetes, GCP, Karma, Jasmine, Git, JIRA.

 **Client: Edward Jones Sept 2021-Nov 2022**

**Location: Hermitage, TN**

**Role: Sr. Full Stack Java Developer**

**Responsibilities:**

* Assisted in the end-to-end execution of a software project using a systematic **SDLC** methodology. Successfully gathered requirements, built the system architecture, produced software, tested, and delivered the application.
* Applied **Agile** testing approaches, such as test-driven development (TDD), to ensure early and extensive test coverage. Collaboration with QA engineers to promote a quality culture across the **Agile** development lifecycle.
* Integrated **Angular** application with CI/CD pipelines (e.g., Jenkins, Travis CI) for automated testing and deployment.
* Designed and built a multithreaded chat server in **Core Java**. Utilized **Java's** concurrency capabilities to quickly manage multiple client connections and message processing. Implemented a customized protocol for real-time communication.
* OWASP Top 10 Issues identifications like SQLi, CSRF and XSS
* Designed and implemented RESTful APIs for various projects, facilitating data exchange between front-end and back-end systems.
* Developed a web-based application implementing **Java 11** and **Core Java.** Implemented user identification, product catalog management, and secure payment integration. **Java Servlets, Java Server Pages (JSP),** and **JDBC** were used to provide a smooth user experience and data durability.
* Created a visually efficient and user-friendly e-commerce website using **HTML** and **CSS.** Implemented custom **CSS styles,** optimized web page loading speed, and ensured intuitive navigation and constant branding in the site.
* Implemented **Redux or React Context API** for state management, providing fast data flow and centralized state management inside the application. For asynchronous data fetching and handling, we used Redux middleware such as **Thunk or Redux Saga**.
* Used **React applications** for debugging and troubleshooting. And identified and resolved issues with developer tools and browser extensions.
* Deployed **React** apps utilizing platforms such as **GitHub Pages, Netlify, or AWS Amplify,** providing automated deployment operations.
* Integrated authentication and authorization capabilities that leverage **JWT, OAuth,** or other authentication protocols to safeguard user access and data.
* Built the application using **Spring Boot** Framework and security issues was controlled by **Spring Security.**
* Implemented a **RESTful API** for a mobile app using **ASP.NET Web API and C#.** Endpoints for user registration, data synchronization, and push alerts were designed and constructed. **JSON** was used for data communication and token-based authentication.
* Experience in Identifying the critical, high, medium, low vulnerabilities in the Applications based OWASP top 10 and SANS 25
* Created **API Jenkins** job, set up **GitHub** repository for Mule project also created project POM.
* Developed the application with **Node.js, Express.js, MongoDB,** and **SQL databases.** Designed and created user profiles, postings, and social interactions. Implemented complicated **SQL** queries for data retrieval and optimization.
* For real-time chat message storage, we used **Google Cloud Platform** as a **NoSQL** database. Used **GCP** to advance security and backup options in **GCP** to avoid data loss.
* Used **PostgreSQL** extensions such as **PostGIS** for geographic data storage and querying in location-based applications.
* Worked with container technologies such as **Docker** and utilized **EC2** container service and **Kubernetes** for container orchestration.
* Configured and applied **Bitbucket** pipelines for continuous integration and continuous deployment **(CI/CD)**.
* Collaborated with distributed teams, doing remote code reviews, and providing timely feedback using **Bitbuckets** code review tools, establishing a collaborative working environment.
* Integrated **JUnit tests** into continuous integration (CI) pipelines for automated testing and early bug detection.
* Configured **Jira** workflows and custom fields to match project-specific processes and requirements. Automation rules, alerts, and SLAs were implemented to improve workflow management and assure job completion on time.

**Environment**: SDLC, AGILE, SCRUM, Core Java, Java 8, Java Servlets, Java Server Pages (JSP), JDBC, HTML, CSS, React, Thunk, Spring, Express.js, Node JS, REST, Microservices, MongoDB, Google Cloud Platform, PostgreSQL, Docker, Kubernetes, EC2, Bitbucket, JUnit, JIRA.

**Client: Novatio Solutions May 2019-Aug 2021**

**Location: Chicago, IL**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Handled multi-tiered projects with **SDLC** multi-tier architecture and interaction with third-party systems, providing flawless data flow and interoperability.
* Participated in full **Agile** development, estimates, retrospectives, and sprint planning.
* Used large data processing applications using **Java 8** and **Apache Spark,** allowing for distributed data analysis and computing.
* Integrated **Angular 7** with back-end **APIs** by utilizing **HTTP Client** or **Angular** built-in **HTTP** service to fetch and show data from server-side resources.
* Developed event-driven applications with **Spring Boot** and **Apache Kafka**, allowing for real-time data processing and event-based communication.
* Implemented web applications by using **Spring framework** modules like **Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch and Spring Data.**
* Designed and built a real-time chat application with a **RESTful API** using **Socket.IO** and **Node.js** allowing users to communicate and get alerts.
* Developed a file-upload system with **Node.js** and **MongoDB**, enabling users to upload and store images and documents on the server.
* Conducted data modeling and normalization in **SQL and NoSQL** to ensure efficient data storage and minimize data redundancy.
* Web security model, mitigating open web application security Project(OWASP) and functions.
* Successfully migrated the database from SQLite to **MySQL** to **PostgreSQL** with complete data Integrity.
* Utilized **AWS CloudFormation** to automate infrastructure resource provisioning, enabling consistent and repeatable deployments.
* Designed and deployed a serverless architecture with **AWS Lambda, API Gateway, and DynamoDB** to reduce operating expenses and improve scalability.
* Successfully implemented the migration project to move essential applications and workloads from **Microsoft Azure to AWS**, providing an efficient transfer.
* Developed and created a cloud-native web application on **Microsoft Azure**, employing multiple **Azure** services for scalability and dependability.
* Linked **Kubernetes** with **Prometheus and Grafana** for monitoring and alerting, allowing for real-time insights into cluster health and application performance.
* Developed **Karma** test cases for an **Angular** web application, verifying UI components and services across several browsers and platforms.
* Configured **Jira** boards to support agile methodologies such as **Scrum or Kanban,** facilitating iterative development and continuous delivery.

**Environment**: SDLC, AGILE, Java 8, Apache Spark,OWASP, Angular, HTTP Client, Angular, Spring Boot, Apache Kafka, Node.js, MongoDB, SQL, NoSQL, AWS, Microsoft Azure, Kubernetes, Karma, Jira, Scrum.

**Client: Global Logic Sept 2017-March 2019**

**Location: Hyderabad, India**

**Role: Java Developer**

**Responsibilities:**

* Utilized **Agile** methods for project progress and developed a web-based bookshop application using Java and JSP.
* Designed and built the database schema for storing information about books, customers, orders, and inventories using **MySQL.**
* Implemented a single-page application architecture using **React Router** for smooth navigation and user experience.
* Implemented responsive web design concepts utilizing **HTML, CSS, and Bootstrap** to offer an ideal user experience across several devices.
* Developed landing pages and email templates using **HTML and CSS** for marketing and promotional campaigns.
* Used **Amazon RDS (Relational Database Service)** to manage the web application's highly available and scalable database backend.
* Integrated batch configuration to the **SPRING BOOT** program. The **Maven** project was created to connect **SPRING BOOT**, **Restful API, Oracle, and Microservices.**
* Developed various Python scripts to find vulnerabilities with **SQL** Queries by doing **SQL injection**, permission checks and performance analysis and developed scripts to migrate data from proprietary database to **PostgreSQL**.
* Used the **Spring MVC framework** to construct Model-View-Controller (MVC) architecture at the Web tier level to separate each layer of the application, reducing integration complexity.
* Designed and implemented a **Microservices-based** architecture using **Docker** containers to package individual services and their dependencies.
* Implemented parameterized tests in **JUnit** to test different input scenarios, improving test efficiency and coverage.
* Implemented **Scrum** and **Kanban** **boards** in **Jira**, customizing the board layouts to reflect the team's preferred agile approach.

**Environment**: AGILE, Java, Java Server Pages (JSP), MySQL, HTML, CSS, and Bootstrap, HTML, CSS, Amazon RDS, microservices, Docker, Junit, Scrum, Kanban boards, SPRING BOOT, Restful API, Oracle, and Microservices.

 **Client:** **Bank of Baroda June 2016-July 2017**

**Location: Hyderabad, India**

**Role: Java Developer**

**Responsibilities:**

* Utilized **Agile approaches** to encourage a collaborative and iterative development process, including daily stand-ups, sprint planning, and sprint retrospectives.
* Created web applications utilizing **HTML, CSS, and Angular JS** to develop and customize the user interface to display reports in various dimensions.
* Used **SQL and NoSQL** to perform data analysis, aggregation, and grouping to get key insights and create reports.
* Developed a responsive desktop application by using **Java** and **JavaFX** for the front-end user interface.
* Created back-end logic in **Core Java**, utilizing technologies such as Collection Framework, Multi-Threading, Exception Handling, Generics, and Annotation.
* Improved application speed with **Angular 4** component-based development in anticipation of future Angular frameworks.
* Upgraded the project's dependencies **from Angular 2 to Angular 4-**compatible versions, including **Angular packages, RxJS,** and additional third-party libraries.
* Created **RESTful APIs** using **Node.js and Express.js**, enabling communication between the front-end and the database.
* Utilized **Git** pull requests or other code review tools to guarantee code quality and maintain best practices within the development team.
* Implemented **Docker** containers to package the program and its dependencies, ensuring consistency and portability across several environments.
* Successfully configured **Jira** projects, workflows, issue types, and custom fields to meet the needs of the team.
* Used **JUnit** for unit testing to ensure the application's dependability and to discover any issues during development.

**Environment**: Agile, HTML, CSS, Angular JS, Java, JavaFX, Core Java, Angular 2, Angular 4, GCP, Kubernetes Engine, Cloud SQL, RESTful APIs, Node.js, Express.js, Docker and Junit, Jira, SQL, NoSQL, Git

**Education**: Btech in Computer Science Sreenidhi University 2015-2019

Master’s in Business Analytics University of North Texas 2021-2023