Austin J

Senior Full Stack Developer

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Senior Full Stack Developer with 9 years of experience, specialization lies in designing and developing responsive web applications using **Java, Spring MVC, Spring Boot, Hibernate ORM, NoSQL/SQL, JavaScript, React, Angular, Node.js,** and **jQuery**. Proficiency extends to **Agile, Test-Driven Development (TDD),** and **Scrum** methodologies, covering the entire Software Development Life Cycle (SDLC). Deep understanding of **JVM Architecture**, **Core Java** concepts, and **Spring Framework** modules, along with the integration of **Microservices** and **Hibernate ORM**, is evident. Expertise also encompasses event-driven systems using messaging technologies such as **Apache Kafka, ActiveMQ, RabbitMQ,** and **AMQP**, as well as **RDBMS Design**, **ER modeling, SQL/PL-SQL**, and **NoSQL databases** like **DynamoDB** and **MongoDB**. Proficient in **DevOps practices**, employing tools such as **Maven, Gradle, Jenkins, Docker, Kubernetes**, and **Git** for seamless integration and deployment. Experience in working with **JMS messaging** and various application servers, as well as cloud platforms like AWS and Azure. Frequently used services include **EC2, S3,** and **RDS** in AWS, and **Azure Functions** and **Azure Storage** in Azure. Developed dynamic **Single Page Applications (SPAs)** using the **MEAN** and **MERN** stacks, resulting in intuitive user experiences and streamlined functionality. A versatile and valuable asset in software development and cloud computing.

Certifications

Sep 2023   AWS Certified Developer – Associate

Skills

Programming Languages: Java (1.6/1.8/1.11), C, SQL, PL/SQL

Java/J2EE Technologies Servlets: JSP, JSF, JSTL, EJB, JDBC, JMS, Applets, JavaBeans XSD, SOAP, REST

Application/Web Server: Web Logic Server 12.x, Apache Tomcat 9.x/8.x, JBoss AS 5/4

Web Service Frameworks: Spring, Hibernate, Spring Boot, Spring Cloud, Spring MVC, Spring AOP, Spring DAO, Data JPA, Apache Camel

Front-End Stack: Angular, React, Node.js, HTML5, DHTML, CSS3, JavaScript, jQuery, AJAX, XML, JSON, Bootstrap

Testing Tools: SoapUI, Postman, JUnit, JMeter, Mockito, Log4j, SLF4J, Swagger, Splunk, Dynatrace, Jasmine, Karma, Jest, Mocha

Databases: Oracle, MySQL, MongoDB, DynamoDB, SQL Server, PostgreSQL, HQL

- **Web Services**: SOAP, RESTful, JAX-WS, JAX-B, JAX-RS, WSDL, Oracle SOA, UDDI

- **ORM Frameworks**: Hibernate, JPA

- **Software Methodologies**: Agile, Scrum, SDLC, TDD, Waterfall

- **CI/CD Tools**: Jenkins, Ant, Maven

- **Containerization**: Docker, OpenShift, Kubernetes

- **Cloud Services**: AWS, EC2, AWS Lambda, Azure

- **Version Control**: CVS, GIT, SVN, TFS

- **Build Tools**: ANT, Maven, Gradle, Jenkins

Work History

Senior AWS Full Stack Developer   **Dec 2022– Current**
Behr Paint Company
Santa Anna, CA

Project Description:
Behr Paint Company, renowned for its quality and innovation in the paint industry. This project involved crafting advanced solutions, including a sophisticated appointment reservation portal for video consultations with color consultants. The role involved leveraging cutting-edge technology to ensure seamless interactions and highly personalized color guidance, further enhancing Behr's reputation for excellence in customer service and product support.

Responsibilities:
- Involved in **Agile TDD environment** with bi-weekly sprints and daily **Scrum meetings** using **Jira** for issue tracking
- Worked with **React.js** in building interactive and user-friendly web applications
- Utilized functional components, hooks, and state management libraries like **Redux** to create **Single Page Applications (SPAs)** with improved performance and scalability, leading to a 15% decrease in page load time.
- Experienced in using **npm (Node Package Manager)** to install, manage, and share **JavaScript** packages and libraries within projects.
- Utilized Node.js to build server-side applications on **AWS Lambda.**
- Used JavaScript unit testing frameworks like **Jest** and **Mocha** for end-to-end testing of React Applications
- Utilized **Java 11** to build applications in IntelliJ/VS Code and **Gradle** as a build tool.
- Implemented **Microservices architecture** and developed **SpringBoot** applications for webservices and RESTful APIs, deploying them on **AWS Elastic Beanstalk, AWS ECS,** and **AWS Fargate**.
- Integrated **Spring Data JPA**, **Spring Data Repositories**, and **Hibernate** to optimize database operations by defining efficient queries resulting in a 15% improvement in data access and manipulation on **AWS**.
- Secured applications using **Spring Security** and implemented **OAuth2.0** to protect resources and APIs
- Utilized **AWS Identity and Access Management (IAM**) policies for AWS security
- Leveraged **AWS RDS** for database hosting, specifically incorporating **PostgreSQL** to enhance data management and optimize performance.
- Utilized monitoring tools like **pgAdmin** and **pgBadger** to analyze database performance and resolve bottlenecks

- Configured **Apache Kafka** clusters and used **AWS DevOps services**, including **AWS CodePipeline** and **AWS Elastic Kubernetes Service (EKS)** for container orchestration
- Deployed applications on AWS using services like **AWS Elastic Beanstalk** and **AWS CodeBuild**.
- Implemented and managed job scheduling in a cloud-based environment, utilizing **AWS Batch** and **Amazon EventBridge** to efficiently allocate resources and execute tasks, ensuring timely delivery of high-quality web applications
- Used **AWS CloudWatch**, **AWS X-Ray**, and **AWS CloudTrail** for monitoring and troubleshooting, analyzing performance, and gaining insights into AWS-based applications
- Employed **AWS Lambda** for serverless log analysis, monitoring, and troubleshooting, leveraging **AWS CloudWatch Logs** and **AWS X-Ray**
- Mocked, validated, and documented Web API (**Swagger, Postman**), **GI**T as version control to build code in **Gradle**, and utilized **JUnit** and **Mockito** for creating unit tests in Java
- Implemented IAM using **AWS Cognito** and **AWS Multi-Factor Authentication (MFA)** for secure authentication and access control

Tech Stack: Java 11, JavaScript, React.js, Redux, HTML, CSS, npm, Node.js, Gradle, Spring Boot, Spring Data JPA, Spring Data Repositories, Hibernate, PostgreSQL, Spring Security, OAuth 2.0, AWS Lambda, AWS Elastic Beanstalk, AWS RDS, AWS ECS, AWS Fargate, AWS IAM, AWS EKS, AWS CloudWatch, AWS X-Ray, Swagger, Postman, GIT, AWS Cognito.

Senior AWS Full Stack Developer   Nov2021-Dec2022
New York State Department of Labor
New York, NY

Project Description:
The New York State Department of Labor is the authoritative body overseeing labor and employment matters in the state, dedicated to promoting fair labor practices and economic prosperity. Project involved collaborating closely with the New York State Department of Labor to revamp and modernize their online platform. This initiative aimed to enhance citizens' access to critical labor-related services, such as job listings and unemployment benefits, while ensuring robust security measures and user-friendly interfaces.
Responsibility:
- Proficiently utilized **Agile Scrum Methodology** throughout software development lifecycle (SDLC), ensuring efficient project management and collaboration
- Designed and developed full-scale, single-page, and highly responsive web application using **Angular 12**
- Implemented state management with **NgRx** to efficiently manage and synchronize application-wide state, enhancing performance and maintainability
- Leveraged latest **Angular components, HTML5, CSS3, JavaScript**, and **TypeScript** to create user-friendly and visually appealing frontend
- Employed **Node Package Manager (NPM)** to efficiently manage and install necessary Node modules
- Leveraged **Node.js** for secure API authentication, enhancing overall application security
- Implemented comprehensive end-to-end testing strategies using **Jasmine** and **Karma**, achieving 95% test coverage and reducing bug count by 30%
- Covered various scenarios and edge cases to ensure robust test coverage and accurate verification of expected behavior
- Demonstrated expertise in **Core Java** concepts, with deep understanding of **Java 11** features
- Utilized **Spring Batch, Spring Boot, Spring Core annotations**, and **Spring MVC** to develop robust REST APIs
- Utilized **Spring Scheduler** to automate and schedule tasks, ensuring efficient execution of business logic on a timer, while leveraging **Spring Boot** and **Spring Core** annotations to configure and run scheduled jobs in Spring container, and actively participating in group code reviews to ensure code quality and maintainability.

- Implemented **Spring Security** for robust security and authorization mechanisms, safeguarding application's sensitive resources
- Executed complex database queries in **SQL** and **PL/SQL**, utilizing various tools for **Oracle backend**
- Utilized **MongoDB** for efficient storage and retrieval of non-relational data, enhancing application's scalability and performance
- Implemented secure **JSON Web Token (JWT)** for service security, ensuring that exposed services were protected from unauthorized access
- Leveraged **Apache Kafka** for efficient data streaming, enhancing data processing capabilities
- Utilized **AWS cloud solutions (EC2, S3, RDS, etc.)** for seamless application hosting
- Managed AWS services, configuring **AWS Elastic Load Balancing** and utilizing **AWS CloudWatch** for real-time monitoring and optimization
- Developed Java APIs for **AWS Lambda**, optimizing functions for high availability, fault tolerance, and auto-scaling
- Deployed applications using **Jenkins** for Continuous Integration and Continuous Deployment **(CI/CD)**
- Containerized applications with **Docker** and managed them using **Kubernetes** for efficient deployment and scaling
- Utilized **Sumo Logic** and **Log4J** for comprehensive monitoring and logging, ensuring health and performance of application
- Conducted rigorous testing using tools like **Postman** and **SoapUI**
- Proficiently leveraged **GitHub** for version control, enabling comprehensive code change tracking, fostering effective team collaboration, and facilitating an efficient and organized development lifecycle.
- Proficiently created User Stories using **Jira,** facilitating effective issue and bug tracking, and ensuring smooth progress of projects

Tech Stack: Agile, Angular 12, Node.js, HTML5, CSS3, JavaScript, TypeScript, Jasmine, Karma, Java 11 features, Spring Batch, Spring Boot, Spring MVC, Spring Security, Hibernate ORM Framework, MongoDB, Apache Kafka, AWS (EC2, S3, RDS, Elastic Load Balancer, CloudWatch), Jenkins, Docker, Kubernetes, Sumo Logic, Log4J, Postman, SoapUI, GitHub, Jira, OAuth 2.0.

Azure Full Stack Developer   **Sep 2019 - Jun 2021**
Bajaj Finance
Pune, India

Project Description:
Bajaj Finance leading Indian financial institution, offering extensive consumer and business financial services, including lending, insurance, and investments. The company created a development team which focuses on Credit Risk Assessment, Fraud Prevention, and Enhanced Mobile Alerts to boost customer service, operational efficiency, and maintain competitiveness in finance.

Responsibility:
- Participated in **Kanban (Agile)** meetings to manage and optimize workflow for achieving continuous delivery.
- Designed UI using **JavaScript, jQuery, AJAX, CSS, HTML** for service calls.
- Created **Single Page Application (SPA)** using **Angular 6,** binding data to specific views and synchronizing data with server using **Sass**, **Bootstrap**, and implementing XML-based communication protocols.
- Worked with **Java 8**, utilizing features like **Lambda Expressions, Stream API, Optional Class**, and more.
- Used **Spring Boot** extensively, leveraging its features like auto-configuration, standalone-code, and actuator for application insights.
- Implemented **Spring Boot controllers, components,** and **services** to read/write data to/from SQL data sources.

- Used **Hibernate** mappings and relationships between tables and entity classes to access and update information in the database.
- Designed various tables in **Cosmos DB**, using Stored Procedures, Triggers, and Functions on SQL Server, as well as PL/SQL on Cosmos DB to support both databases for application.
- Used **Microservices architecture** with Spring Boot, integrated with **Service Bus** as a message broker.
- Integrated **Logic Apps** with Spring Boot and templates using **Spring IOC** to get Hibernate session factory and resolve bean dependencies.
- Also used **Spring AOP** and **JDBC** module to persist data into database.
- Utilized e2e testing frameworks like **Jasmine** and used **Kanban** Board for bug/issue tracking.
- Used Git on **GitLab** for version control, team collaboration, and code review. Managed merge conflicts and integrated features.
- Implemented **Continuous Integration/Continuous Deployment (CI/CD)** pipelines using DevOps for seamless deployment of applications to **Azure.**
- Utilized **Active Directory** (AD) for managing authentication and authorization in backend using **OAuth 2.0.**

Tech Stack: Java 8, Agile, Angular 6, HTML5, CSS3, JavaScript, Bootstrap, jQuery, Jasmine, Spring Boot, Spring MVC, DAO, Spring Batch, Spring IOC, Spring AOP, Microservices, RESTful services, Hibernate, Cosmos DB, Gitlab, Azure, Active Directory (AD) with OAuth 2.0

Java / J2ee Developer   **Jul 2017 - Aug 2019**
Incrasoft Pvt Ltd
Hyderabad, India

Project Description:
Incrasoft, global tech firm is spearheading a CRM system implementation for a large retailer. Customer Loyalty Program Enhancement project aims to boost customer engagement, streamline sales and marketing, and enable data-driven decision-making.

Responsibility:
- Worked as per **Agile** Methodology to meet customer expectations and project timelines while delivering high-quality results
- Utilized Core Java concepts, including **Multi-threading, Polymorphism, Inheritance**, and **Abstraction**, to build robust and efficient applications
- Imparted mobile responsiveness to frontend using combination of **HTML5, CSS3, AJAX, JSP, jQuery**, and **JavaScript** features for **DOM Manipulation** and browser detection
- Used **Java 6** along with **Spring MVC** and **Hibernate** to develop new modules based on project requirements
- Utilized Java 6 features such as **Web Services** and **XML Processing, JDBC 4.0**, and Scripting Language Support to enhance functionality and performance of application.
- Deployed monolithic application on **WebLogic Server** and leveraged **Spring JDBC** to interact with **Oracle databases** for all **CRUD** operations
- Played pivotal role in writing SQL and PL/SQL, including Stored Procedures, Functions, Triggers, Indexes, and Views, to ensure seamless database operations
- Employed **Git-bash** for version control, ensuring effective collaboration and code management
- Utilized **JUnit** for unit testing and **SOAP UI** for testing web services, ensuring software reliability
- Utilized **Maven** to build artifacts from source code, streamlining development process
- Employed **Log4j** for capturing logs and ensuring comprehensive logging for debugging and monitoring purposes

Tech Stack: Agile, Core Java, Java 6, Spring MVC, JPA, JSP, XML, SoapUI, JDBC, JavaScript, HTML5, CSS3, AJAX,

jQuery, Oracle, SQL, Log4j, Maven, Git-bash, Web Logic, JUnit.

Java Developer   **May 2014 - Jun 2017**
Max Life Insurance
Bengaluru, India

Project Description:
Max Life Insurance, leading insurance provider, is embarking on project to enhance its policy management system. Primary objective was Online Premium Payment Gateway to improve customer service, streamline policy administration, and increase operational efficiency.

Responsibility:

- Developed and implemented application using **Waterfall** methodology, **Spring Framework**, and Java following **MVC design pattern**
- Designed and implemented controllers, views, and models to handle HTTP requests, process business logic, and generate dynamic web content using **JSP/Servlet/Tag libraries**
- Leveraged core Java concepts such as **classes, objects, and inheritance** to build robust and efficient application components
- Wrote SQL queries, PL/SQL stored procedures, and triggers to fetch and store data from **MySQL database**
- Utilized **core Java multithreading** capabilities for optimizing concurrent processing tasks within application
- Employed **Java's exception handling** mechanisms to ensure robust error handling and fault tolerance in application
- Utilized build tool **ANT** and version control system **SVN** to package and manage application code
- Worked with **JBoss Server** for application deployment and monitoring, and developed shell scripts for server tuning

   Tech Stack: Java 6, Python, JSP, Servlets, Spring Frameworks, Spring MVC, JDBC, PL/SQL, MySQL, ANT, SVN, JBoss Server, Eclipse IDE

Education

Master of Science: Computer Science
University of Dayton - Dayton, OH

Bachelor of Science: Computer Application
Kannur University - Kerala, India