SHABNA SHAIK

Software Developer

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PROFESSIONAL SUMMARY

- Extensive experience in developing end-to-end scalable web applications using **Java**, **Spring Boot**, **Angular**, **AWS**, and **SQL**.
- Expertise in implementing **microservices architecture** for robust and maintainable software solutions.
- Skilled in designing and consuming **RESTful APIs** to facilitate seamless integration between systems.
- Proficient in developing responsive and dynamic **front-end components** with **Angular** and **TypeScript**.
- Strong experience in optimizing **database performance** with advanced **SQL queries** and schema design.
- Adept at deploying applications on **cloud platforms** like **AWS**, utilizing **EC2**, **S3**, **RDS**, and **Lambda**.
- Hands-on experience in **containerization** and **orchestration** using **Docker** and **Kubernetes**.
- **Proficient in utilizing Java 8 features**, including **Lambda expressions, Stream API, and functional interfaces**, to write cleaner, more efficient, and maintainable code.
- Extensive expertise in **real-time data processing** using tools like **Apache Kafka** and **Event Streaming Platforms**.
- Proficient in designing **CI/CD pipelines** leveraging tools such as **Jenkins**, **GitLab CI/CD**, and **Maven**.
- Strong understanding of **multithreading and concurrency** in Java, ensuring efficient execution of high-performance applications.
- Experience integrating **Salesforce APIs** with enterprise applications to enhance customer relationship management and data synchronization.
- Implemented **Salesforce automation workflows**, optimizing business processes and reducing manual effort in sales and customer service operations.
- Strong advocate for Agile development practices, including **Scrum, Test-Driven Development (TDD), Software Development Life Cycle (SDLC),** and effective team collaboration.

TECHNICAL SKILLS

CATEGORY	SKILLS
Programming Languages	Java, TypeScript, JavaScript, SQL, HTML, CSS
Frameworks	Spring Boot, Hibernate, Angular, REST APIs, Microservices Architecture
Database Management	MySQL, PostgreSQL, Oracle, SQL Server, Advanced SQL Queries, Schema Design
Cloud Services	AWS (EC2, S3, RDS, Lambda)
Tools & Platforms	Docker, Kubernetes, Jenkins, Git, Maven, Apache Kafka, Event Streaming Platforms
Software Development Practices	Agile (Scrum), Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), Software Development Life Cycle (SDLC)
Other Skills	API Development, Real-Time Data Processing, Multithreading & Concurrency in Java, Salesforce API Integration, Salesforce Automation Workflows, UI/UX Design, Cross-Browser Compatibility

PROFESSIONAL EXPERIENCE

Software Developer

Fresenius Medical Care
Feb 2024 – Present

Project Description:
Building a **next-generation patient management system** to optimize healthcare workflows, featuring secure data handling and seamless integration with medical devices. The solution ensures compliance with **HIPAA standards** and provides real-time analytics for healthcare providers.

Key Roles and Responsibilities:

Front-End Development:

- Designed and developed intuitive **Angular-based UIs** with **TypeScript** and **Angular Material,** creating user-friendly interfaces for healthcare providers.
- Implemented **role-based dashboards** with **data visualization** using **D3.js**, enabling efficient tracking of patient data.
- Enhanced application responsiveness with **lazy loading** and optimized component performance for better user experience.
- Developed reusable **UI components** to standardize design patterns across the application, reducing code redundancy.
- Ensured high performance by implementing **code splitting** and **tree-shaking** techniques for faster load times.

Back-End Development:

- Developed **RESTful APIs** with **Spring Boot** for patient data management, enabling seamless integration with front-end systems.
- Integrated **Salesforce APIs** for managing patient and healthcare provider data, improving CRM capabilities and data synchronization.
- Implemented **Salesforce Automation Workflows** to streamline patient management processes and reduce manual effort.
- Integrated **FHIR APIs** for interoperability with healthcare systems, ensuring data compliance and standardization.
- Implemented **data encryption** using **Spring Security** to safeguard sensitive patient information.
- Optimized **database queries** for efficient data retrieval, reducing database latency and enhancing application performance.
- Integrated **asynchronous processing** for real-time notifications using **Apache Kafka**, improving communication workflows.

Cloud & DevOps:

- Deployed and monitored applications on **AWS EC2**, ensuring high availability and scalability of healthcare systems.
- Automated CI/CD pipelines with **Jenkins** and containerized microservices with **Docker** for streamlined deployments.
- Established application monitoring using **AWS CloudWatch** and **ELK Stack**, ensuring proactive issue detection and resolution.
- Utilized **AWS Lambda** for serverless computing and background tasks, reducing operational overhead.
- Designed scalable **infrastructure-as-code (IaaC)** templates with **AWS CloudFormation**, improving resource management.

Environment: Java, **Spring Boot**, **Angular**, **Salesforce API**, **AWS (EC2, S3, Lambda)**, **Docker**, **PostgreSQL**, **Git**, **Jenkins**

Software Developer

Mastercard Global Payment Technology Solutions
Nov 2022 – Jan 2024

Project Description:
Developed a **fraud detection and prevention platform** leveraging **machine learning models** to analyze transaction patterns and detect anomalies in real-time.

Key Roles and Responsibilities:

Front-End Development:

- Built **responsive dashboards** using **Angular** and integrated with **Chart.js** for real-time analytics, providing actionable insights into transaction data.

- Developed **custom components** for transaction monitoring and fraud visualization, improving user interaction and decision-making.
- Enhanced **application accessibility** using **ARIA standards** and best practices, ensuring inclusivity and usability.
- Integrated third-party **payment gateways** with seamless UI workflows, supporting multiple payment methods.
- Implemented real-time notifications using **WebSockets**, improving user awareness of critical events.

Back-End Development:

- Designed **microservices** using **Spring Boot** for processing large-scale payment data, ensuring modularity and scalability.
- Implemented **real-time event streaming** with **Apache Kafka** for fraud detection, enabling low-latency data processing.
- Optimized **database queries** for faster transaction processing, improving overall system performance.
- Built **secure authentication mechanisms** using **OAuth2**, ensuring compliance with industry security standards.
- Integrated **NoSQL databases** for managing high-volume data transactions, improving speed and reliability.

Cloud & DevOps:

- Deployed services on **AWS ECS** and utilized **S3** for transaction logs and data backups, ensuring durability.
- Automated deployment pipelines with **GitLab CI/CD**, reducing manual intervention and deployment time.
- Monitored performance using **AWS CloudWatch**, ensuring application uptime and reliability.
- Used **AWS DynamoDB** for managing transactional logs, providing high-speed access to critical data.
- Configured **auto-scaling groups** in **AWS** to handle traffic spikes during peak transaction periods.

Environment: Java, **Spring Boot**, **Angular**, **Kafka**, **AWS ECS**, **S3**, **MySQL**, **GitLab CI/CD**

Software Developer

CarMax
Jan 2021 – Oct 2022

Project Description:
Developed a **vehicle inventory and customer service platform**, enabling seamless interaction between customers and dealership staff. This application included features for vehicle search, reservation, and financing options.

Key Roles and Responsibilities:

Front-End Development:

- Designed a **responsive vehicle search UI** using **Angular**, improving user experience across devices.
- Integrated **Google Maps API** for real-time location-based vehicle inventory search.
- Enhanced application performance by implementing **virtual scrolling** for large datasets.
- Developed **progressive web application (PWA)** features to enable offline access for critical workflows.
- Maintained cross-browser compatibility through rigorous testing and debugging.

Back-End Development:

- Built **RESTful services** with **Spring Boot** for inventory management and customer transactions.
- Integrated **payment gateways** and ensured compliance with PCI DSS standards for secure transactions.
- Utilized **batch processing** to handle large-scale data synchronization tasks, improving system performance.
- Developed **role-based access control (RBAC)** to manage user privileges securely.
- Improved application performance by optimizing **Hibernate queries** and database indexing.

Cloud & DevOps:

- Deployed services on **AWS Elastic Beanstalk**, simplifying application lifecycle management.
- Set up automated backup and recovery solutions using **AWS S3** and **RDS snapshots**.
- Implemented **CloudFront** for efficient content delivery and caching, improving page load times.
- Monitored application health using **AWS CloudWatch** and set up proactive alerts for critical issues.
- Managed containerized applications with **Docker Compose** and streamlined multi-environment deployments.

Environment: Java, **Spring Boot**, **Angular**, **AWS Elastic Beanstalk**, **Google Maps API**, **MySQL**, **Git**

Software Engineer

Grabhouse – Mumbai, IN
Mar 2017 – Dec 2020

Project Description:
Developed a **property rental platform** providing a seamless interface for landlords and tenants to list, search, and book rental properties without brokers.

Key Roles and Responsibilities:

Front-End Development:

- Designed and implemented **interactive UIs** with **AngularJS**, ensuring an intuitive user experience.
- Integrated third-party APIs for real-time property listings and location-based searches.
- Built and optimized **reusable components** to maintain consistency across the platform.
- Conducted **A/B testing** to enhance user engagement and conversion rates.
- Ensured **SEO-friendly** application design, improving search engine rankings and organic traffic.

Back-End Development:

- Developed **Spring MVC-based services** to handle property listings, bookings, and payments.
- Implemented **cron jobs** for daily data synchronization and notification triggers.
- Designed and optimized relational database schemas, ensuring scalable data storage.
- Built an **event-driven architecture** to handle high-traffic property searches and updates.
- Ensured high security by implementing **data encryption** and secure token-based authentication.

Cloud & DevOps:

- Hosted services on **AWS EC2** with a load balancer to ensure reliability and scalability.
- Utilized **S3** for storing property images and user-uploaded content, ensuring durability.
- Managed infrastructure provisioning with **Terraform**, enabling version-controlled deployments.
- Monitored and troubleshooted issues with **AWS CloudWatch**, ensuring minimal downtime.
- Automated deployment pipelines with **Jenkins**, improving team productivity.

Environment: Java, **Spring MVC**, **AngularJS**, **AWS (EC2, S3)**, **MySQL**, **Jenkins**, **Git**

EDUCATION

- **Master's in Computer Science –** Northwest Missouri State University, Maryville, Missouri**.**
- **Bachelor of Technology in Computer Science** – Sree Vidyanikethan Engineering College, Tirupati, India.

CERTIFICATIONS

- **AWS Certified Developer – Associate**