SUNNY SHAH
SOFTWARE ENGINEER

CT, USA | 551-888-0797 | sunnyshah2398@gmail.com | **LinkedIn** | **GitHub** | **Portfolio**

SUMMARY

- Experienced Software Engineer with 4 years of expertise in designing, developing, and deploying scalable applications using Java, Spring Boot, Microservices, and React.js.
- Proficient in developing robust backend services and applications using Spring Boot, Spring Cloud, and Hibernate ORM, with a focus on performance optimization and system reliability.
- Strong understanding of cloud technologies such as AWS, leveraging services like EC2, S3, and RDS to build and deploy cloud-native applications.
- Hands-on experience in building responsive and dynamic user interfaces using Angular, React.js, Redux, and Material-UI, delivering superior user experience.
- Proficient in implementing Spring Security and JWT for secure authentication, ensuring compliance with industry standards such as OAuth 2.0 and HIPAA.
- Adept at working with CI/CD tools like Jenkins, Maven, and Docker, streamlining the software development lifecycle and ensuring rapid deployment.
- Experienced in optimizing databases with MySQL, MongoDB, and PostgreSQL, ensuring high-performance data access and storage for enterprise-level applications.
- Collaborative team player with strong communication skills, actively contributing to Agile environments and ensuring successful project delivery within deadlines using tools like Jira and Confluence.

SKILLS

Programming Languages:	Java, C, C++, JavaScript, Shell Scripting
Frameworks:	Struts, Hibernate, Spring Boot, Spring Batch, Spring Security, Spring AOP, Spring Core, Spring IOC, Angular 12, jQuery, Node.js, React.js, Express.js
Web Technologies:	HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, JSON, UI Material, SASS, Typescript, ES6, Redux, React Hooks, Vue.js, REST API, RESTful API
Java/J2EE Technologies:	Servlets, Spring, EJB, JPA, JTA, JDBC, JSP, JSTL, Webservices, Microservices, Spring MVC, Hibernate, ORM
Database:	Oracle SQL, MySQL, Firebase, MongoDB, PostgreSQL, PL/SQL
Cloud Platforms:	Amazon Web Services
IDEs:	Visual Studio Code, Eclipse IDE, IntelliJ IDEA, Spring Tool Suite (STS)
Web/Application Servers:	Oracle WebLogic, IBM WebSphere, Apache Tomcat 8.0, Apache Tomcat, JBoss
Testing Tools:	JUnit, Mockito, Selenium
Build/ Other Tools:	Maven, Gradle, ANT, Jenkins, Docker, Kubernetes, SOAP/REST API, Postman, Jira, SonarQube
Methodologies:	SDLC, Agile, Waterfall, SCRUM
Version Control:	Git, GitHub, SVN, Bitbucket
Operating System:	Windows, Linux, Mac OS

EXPERIENCE

Software Engineer | UnitedHealthcare, CT   **Jul 2023 – Present**

- Developed a high-performance healthcare provider search platform leveraging Java and Spring Boot, enabling healthcare members to search for providers, specialists, and facilities with enhanced speed and accuracy.
- Integrated Elasticsearch for full-text search functionality, improving search speed by 50%, enabling real-time search results for providers based on location, specialty, and service type.
- Designed and developed RESTful APIs using Spring MVC and Spring Boot, supporting seamless integration between the front-end and back-end, improving API performance and ensuring scalability for future growth.
- Optimized database interactions using Hibernate ORM to manage complex healthcare provider data, reducing database query execution times by 25% and improving data consistency.
- Implemented caching with Redis for frequently accessed search data, reducing database load and improving the speed of search queries by 40% for users searching for high-demand providers.
- Collaborated with the front-end team to develop a user-friendly search interface using Angular and HTML, increasing

user engagement by 35% and reducing bounce rates on the search results page.

- Utilized MongoDB to store unstructured data related to healthcare providers, enhancing data retrieval efficiency and reducing latency by 20% for provider records.
- Architected and developed microservices using Spring Boot, enabling each search functionality to operate independently, scaling effectively to handle a 50% increase in concurrent users during peak times.
- Ensured platform security by implementing Spring Security for user authentication and role-based access control, maintaining 100% HIPAA compliance and safeguarding sensitive healthcare data.
- Containerized the application with Docker and managed deployments using Kubernetes, reducing deployment time and improving the system's scalability and reliability.
- Set up CI/CD pipelines with Jenkins, automating the build, testing, and deployment processes, resulting reduction in deployment errors and accelerating the release cycle.
- Performed performance tuning and load testing using JMeter to identify and resolve system bottlenecks, which increased the platform's throughput by 30% during peak traffic hours.
- Implemented centralized logging and monitoring with the ELK Stack (Elasticsearch, Logstash, Kibana), streamlining the debugging process and improving incident response times.
- Collaborated with product and business teams to gather and refine system requirements, ensuring timely delivery of features, which directly led to a 15% improvement in provider search accuracy and customer satisfaction.
- Managed ongoing system maintenance and feature enhancements, resulting in 20% higher user satisfaction scores based on post-launch surveys and feedback from key stakeholders.

Software Engineer | Deloitte, India   **Jan 2019 - Jul 2021**
- Architected and Developed Microservices-Based Architecture using Spring Boot and Spring Cloud, improving the platform's scalability, and allowing seamless handling of over millions daily transactions, ensuring high availability and fault tolerance.
- Integrated Payment Gateway Modules using REST APIs and Spring Boot, enhancing secure online transactions, and reducing payment processing time by 25%, thus improving the user experience and operational efficiency.
- Designed and Implemented User Authentication and Authorization System with Spring Security and JWT, ensuring compliance with OAuth 2.0 standards, resulting increase in security compliance rate across the platform.
- Developed Fraud Detection System utilizing Spring Boot and Hibernate ORM, enhancing fraud detection capabilities by 20% through real-time data processing and behavioral analysis, significantly reducing false positives.
- Automated Transaction History Processing with Spring Batch, optimizing the back-end job execution time by 40%, ensuring the timely and accurate generation of over 1 million transaction records per day.
- Designed and Developed RESTful APIs for core banking services like loan management, account overview, and bill payments using Spring Boot and Swagger. Improved the speed of API responses by 30% through effective data serialization and caching strategies.
- Collaborated with Frontend Team to implement a responsive, dynamic user interface using React.js, Redux, and Material-UI, resulting in a 15% reduction in UI load times and enhancing customer satisfaction.
- Optimized Database Interactions using Hibernate ORM and MySQL, improving data retrieval and processing speeds by 20%, and ensuring data consistency across user transactions.
- Built CI/CD Pipelines using Jenkins, Maven, and GitHub Actions, automating build, test, and deployment processes, resulting in 95% automation in the deployment lifecycle and faster release cycles.
- Enhanced Security Features by implementing OAuth2, JWT for token-based authentication, and SSL/TLS for secure data transmission, leading to a 20% reduction in security breaches.
- Collaborated with Cross-Functional Teams to define functional requirements, ensuring compliance with banking regulations (e.g., PSD2, GDPR) and successfully passing 100% of the security and compliance audits.
- Worked in an Agile Environment, actively participating in Daily Standups, Sprint Planning, and Code Reviews using Jira and Confluence, contributing to 95% on-time delivery of all sprints and maintaining high-quality standards.

EDUCATION

Master of Science in Computer Science - University of New Haven, Connecticut, USA
Bachelor of Engineering in Computer Engineering- University of Mumbai, India

PROJECT

Project: Patient Management System
Description: The Patient Data Management System (PDMS) is a web application designed to help healthcare providers plan, organize, and manage patient data efficiently. The system will allow users to create patient records, invite medical personnel, manage appointments, and track patient details. It will also provide features for appointment reminders, notifications, and reporting.
Technologies Used: JWT, OAuth, Node.js, Express.js, MongoDB, React.js, Redux, SendGrid, Firebase Cloud Messaging, React.js, Node.js, MongoDB queries.