

SENIOR SOFTWARE ENGINEER

- Experienced (9+ years) in distributed Java enterprise SaaS solutions developed in frameworks like Spring/Jakarta EE.
- Proficient in designing efficient relational database systems, high-performance SQL, and working with Hibernate ORM.
- Experienced in InfoSec (Information security) and developed HIPAA-compliant and SOC 2-certified applications.
- An active practitioner of Agile/Scrum methodology during SDLC and have working experience in TDD.
- Proficient in code review and strong advocate for a clean, efficient, scalable, and manageable code base.

CONTACT



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TECHNOLOGIES/TOOLS

Spring (MVC, Web Flow), JEE (EJB, CDI, JPA, JMS, MDB), Hibernate, Hazelcast, Servlet, JSP, JSTL, Log4j, TDD (JUnit, TestNG, Mockito), Java, JavaScript, RDBMS (Oracle), SQL, Python, C/C++, REST, SOAP, jQuery, Bootstrap, HTML, CSS, XML, JSON, Oracle Weblogic Middleware, Oracle SQL Developer, Sonarqube, JIRA, Atlassian Bamboo, Git, Bitbucket, Gradle, Maven, JRebel, XRebel, Gatling

EDUCATION

B.Sc. in Computer Science and Engineering

University of Dhaka, Bangladesh
2009 - 2013

Related Course Works:

Design and Analysis of Algorithms, Data Structure, Object Oriented Programming, Software Engineering, Software Design Patterns, Internet Programming, Artificial Intelligence, Computer Architecture, Distributed Systems, Operating Systems, System Programming, Formal Language and Automata Theory, Compiler Design and Construction, Microprocessor and Assembly Language, Database System Implementation, Data and Telecommunications, Computer Network, Network Routing and Switching, Mathematics for Computer Science

SOFT SKILLS

Leadership, Coachability, Problem-solving, Effective Oral/Written Communication, Teamwork, Mentoring

RECENT EXPERIENCES

Senior Software Engineer

Therap Services, Dhaka, Bangladesh
Jul 2018 - Aug 2022

Major Projects:

Individual Planning Tool:

- Led the 8-person development team through the entire SDLC and ensured on-time delivery collaborating with US state representatives to comply with the state I/DD industry regulations.
- Designed and coded the entire configuration engine to support major US state I/DD industry planning requirements.
- Helped the module replace two older planning tools used by three different US states migrating 100% of existing data, resulting in a ~40% reduction of code for the planning module and lowering maintenance dependency overhead from three teams to one.

Time Tracking:

- Developed (wrote ~95% code) an activity tracking module with TDD approach having mobile and IoT ready API which records nearly three million records monthly.
- Scaled the main data source horizontally to reduce the load by ~25%.
- Designed a SQL procedure for large transactions powered by Spring JdbcTemplate with custom version control to overcome Hibernate session memory overflow.
- Achieved excellent stability (< 10 exceptions logged in first three months of release in a system of 7K concurrent users on average).

Major System Improvements:

- Developed a token-based coherence cache renewer to sync the cached resources expiry with client HTTP session resulting in 99% fewer resource expiry and data loss for idle users.
- Added Emoji and Color Code support for form archive data diff viewer.

Technologies/Tools: Spring MVC, Hibernate, Hazelcast, JavaScript, jQuery, Bootstrap, XSLT, Sonarqube, JIRA, Git, Gradle, Maven, JRebel, XRebel.

Software Engineer

Therap Services, Dhaka, Bangladesh
Oct 2015 - Jul 2018

Major Projects:

Scheduling/EVV:

- Led a 5-person engineering team to implement a calendar-based application that schedules, tracks staff hours, and monitors service allocations meeting US federal EVV requirements.
- Coded majority (> 75%) of the backend and ensured API performance using Gatling.
- Developed application-layer atomicity and optimistic locking (achieved using distributed in-memory data grid across application clusters) mechanism to ensure the reliability of the fastest-growing high (int top three) volume data module.
- Released the product well before (> one month) the go-live date.

Major System Improvements:

- Wrote a Spring configuration-based generic entity formatter resulting in ~3% fewer boilerplates across the system.
- Developed an expression language using JEval to provide java bean validation for configurable modules where validation rules can be defined at runtime.

Technologies/Tools: Spring MVC, Hibernate, Hazelcast, JavaScript, jQuery, Bootstrap, DHTMLX, JIRA, Git, Gradle, Maven, JRebel, XRebel.