

Huzefa Zoab

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Current Location: Piscataway, New Jersey

Professional Summary - Senior Software Engineer | Java

- Professional with over 15 years of experience in software analysis, design, problem solving, development for web, enterprise and workflow applications.
- Experienced in leading development teams of 5 - 8 Devs and QAs for Java based applications.
- Proficient in various architecture principles such as SOLID, Layered, Microservice, Twelve Factor, Microservices, OOP Design Principles.
- Experienced in software architecture and applying best practices with practical experience of large scale applications development.
- Experienced in software development life cycle models like Waterfall and Agile methodologies.
- Experienced in Windows, Mac and Linux based development environments.
- Proficient in Java, Java Enterprise, Spring Framework, REST API Development and API Integration.
- Experienced in design & implementation of web-based applications using Struts, Spring, Spring Boot, Java Swing, JSP, Hibernate/Spring Data JPA layer frameworks, Djano.
- Experienced in front-end development leveraging Angular, Typescript, Javascript, Flex, ExtJS, JQuery, Ajax, JSP.
- Experienced in performance enhancement, code optimization techniques, code reviews and peer reviews.
- Experienced in Test Driven Development (TDD) leveraging JUnit, Mockito, DB Mock, Spring Mock.
- Experienced in building environments on Dockers.
- Exposure to data analytics including ELK (ElasticSearch + Kibana) and Kinesis Analytics

Technical Skills

- Languages: Java, Python, Javascript
- Architecture Patterns: Microservice, Layered, MVC
- Web Server Side Technologies: Spring MVC, Struts, JSP/Servlets, Spring Boot, Spring Framework
- Frontend Frameworks: Java Swing, JavaScript, ExtJS, Angular, React AJAX, Silverlight, Adobe Flex, Streamlit
- Cloud: AWS S3, AWS SQS, AWS RDS
- ORM Framework: Hibernate, Toplink, Spring JPA
- Middle Tier Technologies: ESB, SQS
- Databases: MySQL, Postgres, Oracle
- Design Patterns: GoF, J2EE, MVC Pattern
- Unit Test Frameworks: JUnit, Mockito, DB Mock
- Operating Systems: Mac, Windows, Linux
- IDE: IntelliJ, Eclipse, PyCharm
- Version Control tools: GIT, SVN, Clear Case
- Build Tools: Maven, ANT
- Web Server: Tomcat, WebSphere, Weblogic, JBOSS
- Messaging System: AWS SQS
- Project Tracking: JIRA
- DevOps tools: Jenkins, GitOps, Flux, Kubernetes
- Code Quality: Sonarqube
- Data Analytics: ElasticSearch, Kibana, Kinesis
- Management Skills: Planning, Delegation, Motivating, Problem Solving, Collaboration, Communication with Cross Functional Teams, Mentoring, One-on-One, Release Management, Continuous Learning

Certifications

- AWS Speciality Data Analytics (Nov, 2021 - Nov, 2023)
- AWS Associate Solution Architect (Nov, 2020 - Nov, 2022)
- AWS Associate Developer - (Aug, 2019 - Aug, 2021)
- Java Persistence API (JPA) (Sep, 2015)
- Enterprise Java Bean (EJB) (April, 2015)
- Java 6 Standard Edition (Java SE) (December, 2013)

Education

Master in Computer Science – Mohammed Ali Jinnah University, Pakistan
Year 2009 - 2013

Bachelors in Computer Science – University of Karachi, Pakistan
Year 2002 - 2006

Professional Experiences

Lead Software Engineer - Kinesso - Malaysia

March 2019 - April 2024

Kinesso is an AdTech and MarTech organization and part of IPG Mediabrands. Kinesso develops various modules to support users in the AdTech and MarTech fields. During my time there, I contributed to a project that helped data scientists scaffold their projects with built-in MLOps features. Another project I led was in the finance domain, providing near real-time credit reports.

Key Responsibilities:

- Architected and designed various applications aligned with agile methodologies and scalability at first
- Team player responsible for both the development and maintenance of Math Engine, a Python-based framework enabling seamless integration with AWS services including EC2, SQS, S3, RDS, Kinesis
- Initiative to transform one of the data science applications from Java to Python code base that helped data science teams to directly contribute in the feature development
- Developed applications with Angular as frontend, and integrating backend with Spring Boot and AWS services
- Timely updated Angular versions from version 6 to version 15 as per the Angular documentation
- Led the design and development of a financial software solution, Treasury Compliance, a Spring boot and Angular application. It aimed at generating real-time credit reports for the treasury team
- Collaborated with PO, cross-functional teams such as security, devops, and infra for integration of services such as email service account, and azure graph-api
- Mentored and coached junior team members, providing guidance during onboarding and facilitating knowledge sharing sessions to maintain code quality and scalability best practices
- Exposure to ElasticSearch, Logstash, Kibana, Datadog for analyzing application logs and click streams
- Attained 80% unit test coverage for both backend and frontend leveraging Sonarqube, JUnit, Jasmine

Projects: Treasury Compliance, Math Engine, Customized Streamlit Deployment

Tools & Technologies: Java, Spring Boot, Spring Data, MySql, Angular, Amazon Web Services (AWS, SQS, S3, SES, EC2), IntelliJ, Maven, Python, Django, PyCharm, Streamlit, Dagster, Git, Sonarqube, Jenkins, Docker, GitOps, ElasticSearch, Kibana, Logstash, Datadog

Senior IT Consultant - Standard Chartered Bank GBS - Malaysia

May 2015 - December 2018

Standard Chartered operates in the banking sector. I contributed to the Trade Finance Development Team, where I implemented functional requirements into code and database designs within deadlines. Additionally, I assisted the L3 teams with production issues by joining calls for quick RCAs and mitigating any business interruptions. During my tenure, I delivered around 12 enhancements for the SAM & AML systems and onboarded 6 new team members.

Key Responsibilities:

- Senior Consultant at the Standard Chartered GBS's Trade Finance by Capgemini Services
- Played a pivotal role in the Trade Finance Development team, focusing on translating functional requirements(FRDs) from BAs into efficient code and database designs, and support till rollout in production
- Developed end-to-end apps using JEE, Java Swing, Hibernate, SQL, Oracle, Shell Scripting, SVN & Eclipse
- Worked on highly available & reliable systems, ensuring the capability to process 10,000 trans per sec.
- Collaborated with cross-functional teams to conduct load testing and performance tuning exercises, validating system scalability and identifying bottlenecks
- Ensured the smooth operations of the SAM & AML integration systems in testing environments (Dev, SIT, QA and Preprod) so that releases of upstream and downstream systems do not get impacted
- Delivered around 12 enhancements in the SAM & AML systems, and boarded 6 new joiners on the project
- Exposure to Angular 6 for POCs to upgrade application from Java Swing to Angular

Projects: SAM, AML, OTP

Tools & Technologies: Java/JEE, Hibernate, Java Swing, Oracle, Shell Scripting, Eclipse, Maven, Spring Boot, SVN

Lead Software Engineer - Arpatech - Pakistan **October 2013 - April 2015**

Arpatech provided software consulting services to offshore clients. I worked as a technical lead on a project for one of Arpatech's clients, developing an application from scratch using the latest technologies and software stack. I led a team of 7-8 members on this project.

Key Responsibilities:

- Led a team of 7-8 members for a complex modular Spring framework based application, by providing technical guidance, peer reviews, and breaking down tasks to efficiently distribute among team members
- Upskilled myself and team to implement microservice architecture for the first time
- Coached and mentored team mates on technology stack, the architecture and designing components
- Directed the project by timely communicating requirement gaps with the project manager, application architect
- With careful attention to detail, I advocate for in-person meetings with offshore client's representatives and the team to prevent scope creep. This led to three meetings in that year, ensuring delivery of applications aligned with client needs and achieved 100% satisfaction
- Developed application with AngularJS as frontend, and Restlets, Spring Framework, MySql for backend
- Attained 80% unit test coverage for both backend and frontend leveraging Sonarqube, JUnit

Projects: Portal Management System

Tools & Technologies: Java, Spring MVC, Spring Security, RESTlet, Hibernate, Mule ESB, Eclipse, Maven, Shell Scripting, Git, Sonarqube, JUnit, Mockito, DBUnit, Jasmine, AngularJS

Senior Software Engineer - Systems Limited - Pakistan **May 2010 - October 2013**

Systems Ltd provided software consulting services to offshore clients. My responsibilities included translating business requirements from onsite BAs into software workflows and applications to facilitate domain users. During my tenure, I delivered around 10 enhancements and led 3 projects.

Key Responsibilities:

- Provided services to offshore client as consultant for a java-web-based application, Title order system
- Led the offshore teams to develop and deliver java and flex-based solutions
- Developed Front-end leveraging Adobe Flex
- Worked on application based on Layered architecture, and Waterfall SDLC
- Collaborated with offsite BAs to understand the business objectives to determine the scope of deliverables
- Negotiated with BAs and client on deadlines to deliver quality softwares
- Collaborated with DBAs for database changes, query performance matter for smooth releases in the production
- Maintained the documentations such as Use Case diagrams and Impact Analysis documents to align with the CMMI Level 3 standards, and the code standards by exercising peer and lead reviews
- Delivered around ten functional requirement specifications into efficient code and database designs
- Led three projects, and team of six devs working with me on projects

Projects: Servicelink Order Management System and Repurchase

Tools & Technologies: JEE, Toplink, Flex, Oracle, Rational Application Developer, Clear Case, Websphere

Software Engineer - Inbox Technologies - Pakistan **August 2008 - March 2010**

Key Responsibilities:

- Worked as a team player in HRMS and Inventory Management System, the java-based web applications
- Delivered the comprehensive solution to check the overlapping of time with booked time slots related to performance module of the HRMS system
- Delivered the comprehensive solution that covered the eight combinations and scenarios related to the inventory management system. This covered all cases and delivered the right solution in the single release

Projects: Human Resource Management System and Inventory Management

Tools & Technologies: Struts 2, Hibernate, MySQL, AJAX, Java Script, JSP