Mohammad Saboori
Software Engineer

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Professional Summary

I am an experienced Software Engineer with a Bachelor's degree in Technical Information and strong skills in Java (versions 5 to 17) and solid experience in SQL databases like Oracle, PostgreSQL, MySQL, and MSSQL. I have worked on various projects in ERP, banking, insurance, and healthcare sectors, designing and implementing both legacy and modern systems. I'm a Linux enthusiast with a DevOps mindset and enjoy working with back-end and front-end technologies, including Angular. I'm a team player, always ready to learn and collaborate to build efficient solutions.

Skills

Java : Core, EE, Spring, JPA, Apache commons libraries, Junit, Mockito

Arcitecture : Microservices, Monolith, Hexagonal Architecture

DataBase : Oracle Database (PL/SQL), PostgreSQL, MySQL, MSSQL.

Platform; Kafka, Docker, Linux, Azure, AWS, K8s

Tools: Maven, Git, GitLab CI\CD, Jenkins, Tomcat, Jetty, GlasFish, WebLogic, Gradle, NPM, SonarQube, ArgoCD, HELM, ElasticSearch, UML, SBT, Protobuf

FrontEnd: Angular 11, JSP/JSTL, HTML, CSS, JavaScript, Ext JS (Sencha)

Work Experience

Java Software Developer
ZorgDomein – Health care
Sep 2023 - Present

- Engineered and implemented integration solutions using Java for healthcare and insurance systems, focusing on interoperability between electronic health record (EHR) systems and billing applications. Leveraged APIs and messaging protocols such as HL7 and FHIR to facilitate seamless data exchange, ensuring compliance with healthcare regulations and insurance standards. Optimized data flow and operational efficiency across platforms by developing robust middleware solutions and utilizing frameworks like Spring Integration.
- Developed and maintained the Account backend with Java 17 and spring-boot 3.3 and tested with Junit.

- Developed and maintained the Transfer healthcare backend application, enhancing patient care using Scala 2.13, Akka HTTP, K8s, and a hexagonal architecture.
- Utilized **Grafana** to monitor key system metrics and create custom dashboards for real-time visualization of microservices data. Additionally, implemented **OpenTelemetry (OtelMonitoring)** to enhance distributed tracing, improving observability in complex, multi-service environments.
- Used Kafka for handling real-time data streams and Protobuf to serialize structured data for Inter-Service communications.
- Dockerized the services and deployed them on AWS, used experimental builds for local testing, and managed the deployments with Argo CD.
- Used the CQRS pattern to separate read and write operations for improved performance and implement logic in the command and query handlers, such as validation, error handling, and interaction with databases.
- Create and optimize complex queries, views, triggers, and stored procedures in PostgreSQL to improve performance.
- Collaborated closely with functional analysts, product designers, and frontend teams, participating in design discussions, conducting code reviews, and coordinating deployment using GitLab CI\CD and modified pipelines by updating the Terraform files.
- Collaborated with DevOps and cross-functional teams for integrations, pipeline modifications, migrations, etc.

Java Full Stack Developer - Technical Team Lead
HCL Technologies - Insurance
Jan 2022 - Apr 2023

- Designed, implemented, and maintained a RESTful web application for insurance using Java, Spring Boot framework, and JPA (Java Persistence API), applying the functional programming paradigm within an MVC architecture. Enhanced code quality and maintainability through rigorous analysis with SonarQube.
- Develop and optimize complex SQL queries, stored procedures, functions, and triggers to enhance system performance and perform database administration tasks, including backups, indexing, performance tuning, and security management in MSSQL.
- Manage JavaScript and nodeJS dependencies with NPM.
- Implemented the UI using Angular 11 and RxJS to build a real-time stock market application that handles asynchronous data streams.
- Dockerized the services and deployed them on Azure.
- Create various queries and define the Oracle database objects to enhance efficiency
- Orchestrated deployment using Azure and customized pipelines using YAML files, alongside managing artifacts with Amazon S3.
- Engaged in analysis meetings with end-users, facilitating demos to gather requirements effectively.
- Collaborated closely with cross-functional teams to integrate various components seamlessly, ensuring robust functionality and user satisfaction.

Senior Java Developer/Technical Team Lead
Dotin - Banking
Aug 2013 - Oct 2021

- automated the processing of order registration files, streamlining the creation of cases for Letters of Credit (LC) issuance while managing the accurate and timely reflection of SWIFT messages, such as MT700 for LC openings. By optimizing the file handling system, I improved order processing efficiency by 30%, ensuring compliance with SWIFT standards and minimizing errors in financial message exchanges.

- Developed and implemented various financial systems, including a system for managing **Letters of Credit** using Java and Spring Boot, enabling tracking of international transactions. Additionally, I designed a **Deal Management** platform that provided users with tracking and reporting capabilities for various transactions. I created a **Documentary Collections** processing system that automated international transactions, increasing transaction speed by 20%. Furthermore, I developed a **Documentary Remittances** system for sending and receiving international funds, focusing on security and accuracy in transaction processing. I implemented **Finance and Refinance** solutions to support credit transactions and project financing, improving asset and liability management. In addition, I developed an **Order Placement** system for managing the transfer of items from source to destination, utilizing Spring Boot and microservices architecture to enhance accuracy and efficiency in order processing. Lastly, I developed a **Broker Account Management** system that streamlined account tracking and reporting, enhancing the overall efficiency of broker-client interactions.
- Utilized Java 7 and 8, incorporating Hibernate 3 for object-relational mapping and persistence. Applied object-oriented design principles using the MVC pattern with JSP.
- Utilized tools including Gradle 3.0, Oracle 11, Jenkins, SVN, Git, and deploy application with Tomcat 7.
- Implemented the Factory design pattern to manage various currency transactions, which increased system flexibility and facilitated the addition of new currencies.
- participated in analysis sessions with product and domain managers to align technical solutions with business requirements.
- Experienced with NPM to manage nodeJs and JavaScript applications dependencies.
- Worked with large volumes of data, including millions of records, and high transaction rates per second. My experience includes implementing queries for application use or defining views for reporting with high-speed access, normalizing database tables, expanding indexes, and utilizing the features of Oracle 11g database. Additionally, I was responsible for implementing functions and procedures in the database to enhance efficiency.
- Conducted candidate interviews and provided training to new team members and facilitate the user setups providing technical leadership, support, and bug fixing.
- Implemented UI testing using Selenium, Robot framework, and JUnit for robust application testing.
- Collaborated closely with DevOps and cross-functional teams to ensure seamless integration and deployment processes.

Java developer
NCG - ERP
Aug 2011 - Aug 2013

- Developed an automated payroll processing system, ensuring accurate salary calculations and secure storage of payroll data. I also implemented a solution for

generating detailed payslips for all employees. This automation not only enhanced accuracy but also significantly reduced the time spent on manual payroll tasks, leading to improved efficiency within the payroll department.

- Developed and maintained ERP web applications, translating user requirements into technical solutions using Java 1.5, the Spring framework, and Oracle database and DWR.
- Implemented functions and procedures in the database to enhance efficiency, integrated them into business logic, and utilized them in calculations, especially for accounting systems.
- Deploy application on Glassfish or WebLogic application server.
- Trained junior team members.

None Java / Freelance Projects

ViraCam
Jun 2018 - Sep 2018

- Analyzed, designed and developed an e-commerce application for a camera WebShop using Java 8, Spring Boot, MySQL, Ionic, and Angular.

Accounting
Jan 2006 - May 2007

- Designed and developed a Windows accounting software system using C# .NET 4.0 and MSSQL database contains sell, buy, employee timesheet, costs, products, various acconting reports.

Education

Bachelor of Information Technology, University of Applied Science and Technology, 2004 - 2008

Languages

- **English:** Full Professional Proficiency
- **Persian:** Native or Bilingual Proficiency