Tushar Mahat
Java Developer
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OBJECTIVE

Ambitious and motivated recent graduate with a Bachelor of Science in Computing Science and a Minor in Mathematics from Saint Mary's University. Skilled in various programming languages, frameworks, and technologies, including Java, JavaScript, SQL, Spring Boot, and Docker. Adept at collaborating within teams and passionate about learning and applying new technologies to real-world projects. Eager to leverage academic knowledge and technical skills to contribute effectively to software development projects in a professional setting.

SKILLS

Programming Languages	Java, JavaScript, SQL, JSP, HTML, CSS, SQL
Frameworks	Spring Core, Spring JPA, Spring MVC, Spring Boot, Hibernate, Servlet, JSP, JDBC, JMS, Kafka, SOAP/Rest Web Service, Microservices.
Databases	MySQL, MongoDB, Oracle, SQL Server, PostgreSQL
IDEs & Utilities	Spring Tool Suite, Eclipse, Visual Studio Code, IntelliJ IDEA
Web Servers/Application Servers	Apache Tomcat
Authentication & Authorization	Spring Security, OAuth2
Testing Tools	Junit, Mockito, Postman, Selenium
Source Control Tools	GIT, Github
Web Technologies	Bootstrap, HTML, CSS, JSON, XML, RESTful APIs
Version Control Tools	Maven
Build Tools	Maven
Middle Ware	Integration Messaging Service (Apache Kafka), Spring Boot
Containerization	Docker
Cloud Platform	AWS

EDUCATION

Saint Mary's University | Halifax, NS
B.Sc. in Computing Science with Minor in Mathematics
GPA: 4.05/4.30

RELEVANT PROJECTS   (GitHub: github.com/tusharmahat)

Spring Boot Blog Management Application Development (Monolithic Approach)
Description:
- Developed a comprehensive blog management application using the Spring Boot framework.
- Implemented Spring Security for user authentication and authorization.
- Utilized MySQL as the relational database management system to store application data.
- Employed Java Persistence API (JPA) for seamless interaction with the database.
- Integrated Swagger for API documentation and testing purposes.
- Implemented validation techniques to ensure data integrity and security.
- Integrated Twilio API to enable OTP-based authentication and simple messaging functionality.
- Utilized Spring Tool Suite 4 for development and debugging purposes.
- Hosted the application on AWS EC2 for scalability and reliability.
- Implemented user management functionalities including registration, login, and profile management.
- Developed category management features to organize blog posts.
- Implemented post management functionalities such as creation, editing, and deletion.
- Integrated commenting functionality to allow users to interact with posts.

- Utilized role-based access control to define user permissions and access levels.

Technologies Used: Spring Boot, Spring MVC, Spring Security, Rest API, MySQL, Java Persistence API (JPA), Swagger, Twilio API, Spring Tool Suite 4, AWS EC2

Docker Compose Microservices Application Development
Description:
- Developed a microservices application using Docker Compose, consisting of services for product management, order processing, inventory management, and notifications.
- Utilized Spring Boot 3.1.8 framework for building and managing the microservices.
- Implemented various functionalities within each microservice, including CRUD operations, business logic, and integration with external services.
- Configured MySQL databases, Keycloak for authentication, Kafka for messaging, Zipkin for distributed tracing, Prometheus for monitoring, and Grafana for visualization.
- Created Docker images for each microservice and orchestrated them using Docker Compose for seamless deployment and management.
- Collaborated with cross-functional teams to define requirements, design architecture, and implement features according to business needs.
- Ensured scalability, reliability, and performance optimization of the microservices application.
- Provided documentation and support for developers, testers, and operations teams for onboarding and troubleshooting.

Technologies Used: Docker, Spring Boot, Microservices Architecture, Rest API, MySQL, MongoDB, Spring JPA, Spring MVC, Testing

Portfolio App (View: bit.ly/3PmWX3A)
• Designed, constructed, and hosted a responsive personal portfolio app on Netlify.
• Utilized HTML, CSS, and ReactJS for an intuitive UI.
• Maintained regular updates to reflect professional growth.

Autism Nova Scotia Email App (View: bit.ly/3sPGQE1)
• Collaborated on creating an email app for Autism Nova Scotia using HTML, CSS, and Node.js.
• Improved app UI with user-friendly instructions, aiding students with Autism in email system learning.
• Conducted client meetings to ensure clear understanding of needs and prototype reviews.

Visualization Dashboard (View: bit.ly/3rdwvRY)
• Developed a D3.js visualization dashboard with Kaggle world statistics (1955-2020) as an independent project.
• Employed data cleansing techniques to enhance data quality.
• Utilized various graphs (scatterplots, line, bar, donut charts) to highlight annual data patterns.

ACHIEVEMENTS AND ADDITIONAL EXPERIENCE
Science Atlantic Computer Science Programming Competition   **Oct 2021**
Third position

Saint Mary's University | Halifax, NS   **Sept 2021 – Apr 2023**
Student Grader
• Evaluated programming and written assignments, providing detailed feedback to students for the courses: Data Structures and Algorithms Course, Advanced Computer Programming and Problem Solving.