SAMIA SABA

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Skills

- **Programming & Frameworks**: Java, Spring, Spring Boot, Hibernate, JPA, Maven, Lombok, REST APIs, Spring Security, Spring Data JPA **.**
- **DevOps & CI/CD:** Jenkins, GitHub Actions, Docker (CLI, Dockerfile, Docker Compose), Kubernetes (Pods, Services, Deployments).
- **Cloud & Networking:** AWS, TCP/IP, DNS, HTTP/HTTPS, VPC/Subnets.
- **Databases & Data Management:** MySQL, MongoDB.
- **Version Control System :** Git, GitHub .
- **Operating Systems:** Linux / Unix fundamentals.

Experience

AWS solutions architecture job simulation   *Certificate*
- Designed a scalable ,cost efficient AWS hosting architecture .
- Created architecture diagrams and client-friendly solution emails .
- Explained AWS billing and uptime strategies to non-technical users.

VERIZON Cloud Platform Job Simulation   *Certificate*
- Analyzed cloud-native VPN solution for scalability and security.
- Used Python CLI tools to test application behavior.
- Summarized security strategies in a presentation for stakeholders .

Projects

Task Manager System (Trello-lite)   *GitHub*
Tech Stack: Java , Spring Boot , Hibernate/JPA , Maven , MySQL
- Developed a **RESTful API** using Java, Spring Boot, Hibernate (JPA), and MySQL to manage projects, tasks, and user roles.
- Implemented **user management** with registration, login, profile view, and role-based access (USER/ADMIN).
- Built **project and task management features**, allowing creation, assignment, and status tracking of tasks within projects.
- Applied **Spring Data JPA, validation, and Lombok** for efficient database interaction, code simplification, and maintainable architecture.

Expense Tracker   *GitHub*
Tech Stack: Java , Hibernate(ORM) ,Maven , MySQL
- Developed a **console-based expense management application** using Java, Hibernate, and MySQL to track, filter, and manage personal expenses.
- Implemented **CRUD operations** (Add, View, Delete) with category-wise filtering and total expense calculation.
- Designed a **modular architecture** with DAO, service, and model layers for clean code and maintainability.
- Built with **Maven for project management** and Hibernate ORM for database integration, ensuring persistent and structured data storage.

Dockerized Node.js and MongoDB Microservices app   *GitHub*
Tech Stack: Node.js, Express, MongoDB, Docker, Docker Compose
- Built a RESTful API backend using Node.js and MongoDB, and integrated a frontend using basic **HTML,CSS and javascript** .
- **Containerized** backend, database, and admin UI using Docker.
- Orchestrated services with **Docker Compose** for scalable multi-container setup.
- Implemented internal container networking for seamless service communication.

Certifications

- **Coursera – DevOps essentials**   **Link**
- **Forage – Back-End Engineering Program**   **Link**

Education

- **Bachelor of Technology (CSE)** || O.P Jindal University || 2022-Present || **CGPA :9.0**
- **Higher Secondary School (XII)** || Jawahar Navodaya Vidyalaya || 2021 || **91%**
- **Secondary School (X)** || Jawahar Navodaya Vidyalaya || 2019 || **94 %**