

# Ismail El Khattab

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## EDUCATION

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### Western Governors University

*Bachelor of Science in Software Development*

April 2023

*Salt Lake City, UT*

- Relevant Coursework: Data Structures and algorithms, Object Oriented Programming, Mobile application development, Web development, Agile Project Management, Software Quality Assurance.

## CERTIFICATIONS & TECHNICAL SKILLS

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- **Certifications:** AWS certified cloud practitioner (CLF-C01), Oracle certified associate Java SE 8 (1Z0-808), Axelos ITILv4 ® foundational, CompTIA A+ (220-1101 & 220-1102)
- **Programming Languages:** Java, JavaScript, TypeScript, C#, SQL
- **Frameworks:** Spring, React, NextJS, Hibernate, Junit, Mockito, Tailwind, Bootstrap, jQuery
- **Developer tools:** AWS, Docker, Kubernetes, Git, Postman,

## EXPERIENCE

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### AliaaSoft Technologies inc.

*Software Developer Intern*

2023

*Montréal, QC*

- Engaged in all facets of the Agile Software Development Life Cycle, actively participating in scrum meetings.
- Produced efficient and reusable code, carefully validated during code reviews.
- Crafted user stories with well-defined acceptance criteria, offering task estimates based on story points.
- Developed Restful APIs using Spring Boot, rigorously validating code quality through unit testing.
- Collaborated with senior engineers to define the best deployment strategy and how it integrates into the existing CI/CD pipelines.
- Refactored legacy software components into microservices and containerized using Docker & Kubernetes.

## PROJECTS

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### QuizzGPT – Powered by OpenAi | *Spring, NextJS, PostgreSQL, AWS, Docker*

2023

- Developed a cloud hosted full stack web application that allows users to generate quizzes based on their input.
- Created a RESTful API backend using Spring Web to efficiently submit prompts to the OpenAi API, fetch the response, validate it, and transform it into a quiz java object before storing the data in a PostgreSQL database.
- Crafted a pleasant NextJS front-end to capture user input and display the quiz generated by chatGPT.
- Implemented user authentication using spring security and JWT to ensure data security and privacy.
- Enabled user registration and login via social platforms by integrating OAuth2 with Spring Security.
- Conducted thorough testing with Junit5 and Mockito to achieve high code coverage and ensure reliability.
- Deployed to AWS on a ECS container instance using an RDS database and S3 buckets for file storage.

### Term Tracker Application – Capstone Project | *Java, SQLite*

2023

- Developed a term tracker android application to help students stay on track with the academic schedules.
- Implemented create, read, update, and delete operations on a local SQLite database to store user entries.
- Performed rigorous and comprehensive testing, including unit testing, integration testing, and UI testing, to verify the functionality and reliability of the application.