



**Mohamed Mohamed**

## **PROFESSIONAL SUMMARY**

Mohamed is a dedicated software engineer with hands-on experience in dynamic startup environments. He consistently rises to the challenge of learning new languages, frameworks, and processes to deliver value to his team. His ability to collaborate effectively in a team setting has been honed through close work with both technical and non-technical stakeholders, ensuring timely and accurate delivery of solutions. Graduating magna cum laude with a bachelor's degree in computer science, Mohamed developed a keen interest in enterprise development and pursued further studies in building enterprise-level applications. During his enrollment in the FastTrack program, he developed transferable skills, including collaborating in agile environments similar to enterprise teams, and is well-prepared to contribute these skills in a professional setting.

## **TECHNICAL SKILLS**

**Programming:** Java, JavaScript, Angular, TypeScript, HTML5, CSS3, SQL, Spring, Spring Boot, JDBC, Jackson, JPA, jQuery, Node, webpack, Babel, Maven, Gradle, npm, React, Ruby on Rails, Kubernetes, Terraform  
**Software:** Eclipse, VS Code, IntelliJ, Git, GitHub, cmd, pgAdmin, Postman, Argo CD, Grafana, GitHub Actions, JIRA  
**Databases:** PostgreSQL  
**Operating Systems:** Windows, Mac

## **PROFESSIONAL EXPERIENCE**

**COOK SYSTEMS – Memphis, TN**  
**Present**  
***FastTrack Developer***

**08/24 –**

### *Social Media Tweet API Assessment*

- Developed a RESTful Spring Boot web service for managing users and their tweets, enabling users to post tweets, replies, and reposts through basic CRUD operations.
- Implemented a PostgreSQL database schema based on an entity-relationship diagram using Spring Data JPA with Hibernate.
- Collaborated with other developers by delivering features, utilizing pull requests, and performing code reviews through GitHub.
- Tested and troubleshooted API changes using PGAdmin and Postman to validate functionality and prevent regressions.
- Automated application deployment by creating a GitHub Action to package and run the application with a PostgreSQL instance, ensuring it could operate without issues.

*Environment: Java, Spring Boot, JPA, PostgreSQL, PGAdmin, Postman, Git, IntelliJ, Maven, GitHub Actions*

*Assessment #2*

- A
- B
- C
- D

Environment:

Assessment #3

- A
- B
- C
- D

Environment:

**ShelfLife – New York, NY** **06/22 – 08/22**

*Software Engineer Intern*

- Boosted new order creation by 36% through the implementation of an Ingredients page for buyers.
- Improved user experience through consolidating several views into a supplier hub with a user adoption rate of 20%.
- Developed new features while coordinating in an agile team for a business-to-business food ingredients marketplace in a Ruby on Rails app

Environment: Ruby on Rails, JavaScript, HTML, CSS, PostgreSQL, Redis, Docker, Heroku, Figma, Git, GitHub Actions, VS Code

**Kim'C Market – Brooklyn, NY** **02/22 – 05/22**

*Full Stack Developer Intern*

- Reduced order fulfillment time by over 80% by automating drop-shipping process for the Gift to Korea program.
- Implemented new features and troubleshooted bugs while collaborating on a Korean e-commerce Shopify site.
- Automated fulfillment operations as a partner of the fulfillment team, leveraging Shopify's REST & GraphQL APIs.

Environment: React, Node, JavaScript, HTML, CSS, PostgreSQL, GraphQL, Heroku, IntelliJ

## **PERSONAL PROJECTS**

**GroupHQ (Unreleased Project)** **06/23 – Present**

*Software Engineer*

- Enabled automated scaling, self-healing, and efficient resource utilization through the deployment and management of a Kubernetes cluster in the cloud for microservices.
- Established a continuous integration and deployment pipeline for end-to-end testing.
- Currently optimizing staging environments to enable efficient testing and deployment processes for parallel development by researching multi-tenancy strategies.

Environment: Java, Spring Boot, JPA, gradle, PostgreSQL, Postman, Angular, Node, npm, Ruby on Rails (API), Kubernetes, Argo CD, Grafana, DigitalOcean, Git, GitHub Actions, JIRA

## **EDUCATION**

**Cook Systems FastTrack Java Program – Memphis, TN**  
**Present**

**08/24 –**

*Concentrated Java Frameworks and developer tools training*

**CUNY Brooklyn College – Brooklyn, NY**  
**09/22**

**08/18 –**

*Bachelor of Science: Computer Science*