

# Mohamed Omar

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## Skills

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- o JavaScript | Typescript | Java | Python | C++ | C# | HTML | CSS | SQL | React | Angular | Bootstrap | Redux | Node | Express | SQL
- o Postgres | MongoDB | Cucumber | Selenium | JUnit | Mockito | SonarQube | AWS | CI/CD | Docker | Kubernetes | Kafka | Git
- o Frontend | Backend | Full-Stack | Microservices | Agile | SCRUM | Jira | English, Arabic – All professional proficiency or above

## Experience

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### JP MORGAN CHASE & Co.

Jersey City, NJ

Software Engineer

Feb 2021-Current

- o Collaborated with Product Managers, Designers, and Stakeholders to develop high-quality software products for Portfolio Managers.
- o Implemented a UI application using **React** and **TypeScript**, pioneering the project's frontend architecture.
- o Integrated **AWS** for storage, database handling, and deployment, optimizing backend performance from Gaia by 60%.
- o Developed backend features using **Java Spring Boot**, ensuring seamless communication with Frontend technologies.
- o Enhanced an in-house application's capabilities with React and Redux frameworks, Increasing efficiency for over 200 users.

### NORTHWESTERN MUTUAL

Milwaukee, WI

Software Engineer

Feb 2020-Feb 2021

- o Progressed frontend UI components using React and JavaScript, enhancing user experience and optimizing performance.
- o Enriched legacy Java APIs to Python to create more scalable and maintainable APIs and codebases.
- o Matured cloud infrastructure migration from **Microsoft Azure** to **AWS**, reducing operational costs by 40%.

### THE COLLEGE BOARD

Reston, VA

Software Engineer

Jan 2019-Jan 2020

- o Designed the Widget Management Dashboard (WMD) from scratch, handling both frontend and backend implementations using React, Java, and Typescript.
- o Created 200+ Behavior-Driven Development tests using **Cucumber** and **Selenium** that enhance quality assurance processes to a benchmark of 90% for the AP Program team.
- o Improved existing widgets, including a search bar UI blueprint in JavaScript, improving search functionality for 500+ coworkers.

### MICROSOFT

Cairo, Egypt

Summer Software Developer

May 2017-Aug 2017

- o Led a team of 8 interns in developing Pick-It-Up, a web solution built from the ground up.
- o Utilized Java, JQuery, SQL, and Microsoft Azure to build the application based on learnings from the Microsoft training.
- o Conducted market research and presented findings to Microsoft partners, demonstrating product potential.
- o Competed against fellow interning development teams and won 1st place for a chance to intern at partnering companies.

### IBM

Cairo, Egypt

Summer Software Solutions Analyst

July 2016-Aug 2016

- o Assessed technologies like IBM Spectrum and IBM Cognos Analytics, collaborating with a senior analyst.
- o Delivered a presentation on technology insights and statistical findings for IBM senior engineers.

## Education

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### German University of Cairo

Cairo, Egypt

Bachelor of Science in Computer Science & Engineering

Oct 2013-Jun 2018