

TOFIK MUSSA

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EXPERIENCE

Senior Associate Software Engineer

JPMorgan Chase and Co.

Jul 2018 - Present

Columbus, Ohio

Enterprise Resiliency Management and Analytics (ERMA)

- Developed a centralized resiliency/disaster recovery platform that is used across all lines of businesses in the firm being a part of a cross-functioning, agile team
- Collaborated in major design/architectural decisions of the platform and experienced the full life-cycles of software development from the project's inception up to it's completion over a span of more than 2 years
- Implemented an authentication/role simulator that facilitated testing by saving 100s of hours for the Quality Assurance team
- Shifted rendering of some user interface components from client-side to server-side to speed up the application's latency by 80 percent
- Implemented client side caching to reduce the loading time of a critical part of the application from 1 minute to 9 seconds
- Helped onboard new team members and provided technical support
- Delivered several additional features using Angular, TypeScript, Spring Boot, Java, Cloud Foundry and Oracle

Move Money

- Performed migration of an application from an on-premise data center to Cloud Foundry
- Implemented a retry functionality to an existing application to prevent loss of failed transactions
- Supported maintenance of the project through resolving defects with a quick turnaround

Math/CS/Statistics Tutor

University of the District of Columbia

March 2017 - May 2018

Washington, DC

- Improved performance of students in computational coursework through one-on-one teaching sessions customized to address any gaps in coursework comprehension, resulting in higher graduation rates
- Provided guidance to students on projects and held weekly sessions to debug and brainstorm solutions

EDUCATION

Master of Liberal Arts in Software Engineering

Harvard University Extension School

May 2021

Remote

- GPA: 3.97
- Awards: Dean's list

Bachelor of Science in Mathematics with coursework in Computer Science and Statistics

University of the District of Columbia

May 2018

Washington, DC

- GPA: 3.79
- Awards: Top Junior, Top Senior, Dean's list

SKILLS & TRAINING

- Languages: Typescript, Java, SQL, HTML/CSS/JavaScript, C, OCaml
- Frameworks: Angular, Spring Boot
- Build, Deployment, Testing and CI/CD Tools: Jenkins, Cloud Foundry, Maven, NPM, Jest, Mockito
- Training: CodePath - Advanced Software Engineering, CodeWorks Academy - Web Development

SIDE PROJECTS

- One-step platform - Built an open source platform used by a non-profit to coordinate relief efforts as part of a capstone project for my Master's degree. Utilized Java, AWS services, Dropwizard, DynamoDB and third-party APIs
- Hypercode - built a library catalog management system to facilitate bookkeeping which was previously tracked using a spreadsheet. Utilized Angular, Java, Spring Boot and Gitlab