**MOHAMMED AMIN**

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| **SUMMARY** |

A passionate and results-driven software engineer with extensive experience in developing performant and accessible web pages. Proficient in engineering robust front end solutions by following best design and accessibility principles.

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| **EXPERIENCE** |

**American Express**, *October 2024 - Present*

***Front End Engineer II***

* Enhancing the American Express customer banking dashboard into new stages of maturity with React and Sass.
* Optimizing a frontend abstraction layer on top of React to seamlessly integrate new components at runtime.
* Spearheading initiative to achieve 100% Jest testing code coverage across American Express web modules.

**CVS Health**, *May 2022 – October 2024*

***Software Engineer***

* Developed reusable and scalable web components with Next JS for payment products exposed to millions of users.
* Collaborated with WorldPay Group to integrate secure payment forms, improving payment processing by 25%.
* Spearheaded the development of new B2B web content in React JS, while maintaining legacy Angular applications.
* Lead WCAG initiative to reduce 90% of A11y defects for improved platform usability, in compliance with DOJ.
* Automated security audits by integrated Checkmarx scans into CI/CD to mitigate risks across frontend.

**Merkle**, *April 2021 – May 2022*

***Web Engineer***

* Architected numerous single page applications for marketing dashboards, following white label model for reproducibility across 20+ Fortune 500 companies – with React.
* Designed and developed an Express JS reverse-proxy server, dispatching requests to multiple backends.
* Containerized microservices using Docker images, enabling isolated development and portability.
* Developed React module system, allowing for scaffolding of child modules and reducing development time by ~20%.
* Revamped frontend E2E testing suite, integrating Cypress library for 100% coverage on all modules.

**Cyient INC**, *April 2019 – April 2021*

***Engineer I***

* Advanced the development of the flagship damage reporting platform using React, Redux, Express.js and SQL.
* Spearheaded large-scale data migrations and ETL processes, optimizing data management and storage solutions.
* Responsible for writing SQL queries to extract and communicate data pertaining to damages and repairs.

**Metropolitan Transit Authority INC**, *June 2016 – May 2018*

***Engineer Intern***

* Assisted in developing a time series predictive model in IBM SPSS modeler for forecasting delays across 5 railways.
* Created pivot tables and Excel macros to heavily automate data entry processes, saving 15% of time for processing.

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| **CORE COMPETENCIES** |

**Programming Languages**: Javascript, Typescript, Python, SQL

**Development**: React, Redux, Node JS, Express, Next JS, Stencil JS, Angular, RxJS, REST API, SCSS, Tailwind, shadcn/ui

**Cloud & Containerization Technologies**: AWS EC2, ECS, Lambda, Docker, Terraform, Ansible

**Database**: MySQL, PostgreSQL, S3, DynamoDB, AWS RDS

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| **EDUCATION** |

**Bachelor of Mechanical Engineering / Minor in Computer Science,** 2019

*City College of New York – Manhattan, NY, Cum Laude Honors*