**MOHAMMED AMIN**  
[mohaminnyc1@gmail.com](mailto:mohaminnyc1@gmail.com) | (917) 579 – 9307 | [hellomo.vercel.app](https://hellomo.vercel.app/)| [www.linkedin.com/mamin](https://www.linkedin.com/in/mohammed-amin-13a179215/)

**SUMMARY**

A passionate and results-driven software engineer with extensive experience in the IT field including web development and containerization. Proficient in developing robust frontend and backend applications, while driving initiatives for large scale improvements.

**EXPERIENCE**

**American Express**, New York, New York

***Software Engineer II****, October 2024 - Present*

* Maintaining a proprietary frontend abstraction layer on top of React to enhance the flagship banking website's UI.
* Enhancing banking dashboard UI into new stages of maturity with React and SCSS via multi team collaboration.
* Spearheading initiative to achieve 100% code coverage across all American Express banking dashboard modules.

**CVS Health**, Remote

***Software Engineer II****, May 2022 – October 2024*

* 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 Next 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**, Remote

***Web Engineer****, April 2021 – May 2022*

* 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**, Hartford, CT

***Engineer I****,**April 2019 – April 2021*

* 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.

**CORE COMPETENCIES**

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

**Development**: React, Angular, Next JS, Node/Express JS

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

**Cloud** **Technologies**: EC2, ECS, Lambda,

**Containerization**/ **IaC** **Tools**: Docker, Terraform, Ansible

**CI/CD**: Jenkins, Bitbucket Pipelines, CircleCI, Github Actions

**EDUCATION**

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

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