

Mohamed Hashem

Senior Frontend Engineer / Frontend Team Lead | ex Microsoft

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Summary

I'm a passionate and innovative Software Engineer with **5 years** of experience, including at **Microsoft** in the Core UX team for **Bing.com** and Bing Chat (**Microsoft Copilot**), as well as other top-tier companies.

My work has directly impacted **20M+** users worldwide and achieved a **50%** reduction in JavaScript production errors, which led to a **20%** improvement in page performance.

I'm a specialist in building dynamic Single Page Applications using React, Redux, Next.js, React Native, JavaScript, TypeScript, Tailwind CSS, Material UI, and more.

I'm experienced and have a strong foundation in C++, C#, Java, ASP.NET Core, EF Core, Node.js, Express, and MongoDB, with a deep understanding of OOP, design patterns, and software architecture. I'm highly skilled in data structures, algorithms, and problem-solving, and hold a Bachelor's degree in Computer Science.

I take pride in developing scalable, accessible, and secure web applications with a strong emphasis on localization, adaptive theming, testing, responsive design, state management, and clean, maintainable code. I'm also deeply committed to mentorship and continuously driving innovation in frontend engineering.

Experiences



Senior Frontend Engineer - Naseej

December 2024 – Present

Naseej offers a suite of solutions and services to support and enable your organization.

During my time at Naseej, My Role is:

- Designing and developing an **AI agent platform** to automate and streamline workflows using secure and flexible AI technologies, enabling organizations to scale efficiently.
- Working on improving Code Coverage and Performance on our **eLearning Platform** SEP.
- Working on implementing themes for our **Identity management system (SSO)** by KeyCloak and KeyCloakify
- Fixing Bugs to improve performance and appearance of the system.
- Building and maintaining dashboard UIs and supporting client requirements using HTML, CSS, JavaScript, TypeScript, **React.js**, SASS, Storybook, **React Native**, **Expo**, and modern technologies.



Software Engineer - Microsoft

July 2022 – December 2024 (2 years and 6 months)

Microsoft is an American multinational technology corporation that produces computer software, consumer electronics, personal computers, and related services headquartered at Redmond campus located in Redmond, Washington, United States.

During my time at Microsoft, My Role is:

- Reduced JavaScript client errors from 2 billion to 1 billion within 4 months, collaborating with a team of 4 developers. Personally resolved **300** million errors, resulting in a **15 – 20%** improvement in page load speed.
- Led Accessibility in **Bing** and **Bing Chat (Microsoft Copilot)** with fixing more than **100** violations and implementing and launching **6** new accessibility features which helped more than **20 million** users to use Bing.com more easily.
- Developed new features tailored to client requirements to drive **revenue growth**, while ensuring code was clean, scalable, and maintainable.
- Implemented and resolved over **100 bugs / features** across various areas, including UX, Dark Mode, Accessibility, Bing Chat, Prayer Times, JavaScript client errors, and Security.



React Frontend Developer- Acute Business

Dec 2021 – May 2022 (6 months)

Acute Business is the first of a new generation consultation, business process and information technology outsourcing company. Our goal is to help your business increase its operational effectiveness, decrease costs and expenditure, and increase opportunities. Subsequently, guide your business towards generating more revenue and profits.

During my time in Acute Business, I worked in

- **Bashqash – Payments Solution**

Bashqash is closed circle an integrated payment solution (hardware, backend and mobile app)

- **Wogody – Cashless Fuel Automation System**

System for filling fuel and station services, This System provides a smart and advanced solution for individuals and companies to fill up gasoline through a smart barcode.

During my time in Acute Business, My Role is:

- Developed and Implemented Frontend tasks through work environment.
- Worked with reusable applications to enhance performance and user experience.
- Building Dashboard UI, Maintenance Issue and Support Client Requirements.



Full Stack Developer (.Net + React) – Route

Feb 2021 – Nov 2021 (10 months)

Route is an Egyptian Software Consulting founded in 2012. It has identified the unique challenges people may face in learning new technology and has exerted efforts in providing strategies to overcome them that primarily provide software products.

During my time in Route, My Role is:

- Developed and Implemented Frontend and Backend tasks through work environment.
- Worked with reusable applications to enhance performance and user experience.
- Fix Bugs to improve performance and appearance of the system.

Achievements

- Awarded For Contributing in Bing & Bing Chat (Copilot).
- Traveled to USA and got a Promotion.
- Contributing to Prayer Time Answer to help Muslims all over the world know the prayer time once they search "Prayer Time" on [Bing.com](https://www.bing.com)
- Decreased the JavaScript Client Errors from **2 billion** to **1 billion** in 4 months with 4 Devs and personally cut **300 million errors** which improved page loading speed by **15% - 20%**.
- Improved Accessibility in [Bing.com](https://www.bing.com) and fixed more than 100 violations and implemented **6** features which helped more than **10 million users** to use Bing.com more easily.
- Ranked as Top Arabic Content Creator on LinkedIn (**2023 & 2024**).
- Helped 3 Support Engineers to go into Programming one of whom now works at Microsoft Dublin after working at Amazon Dublin.
- Mentored and taught programming to over **600** students (**300 children** aged 12-18 and **300 adults** 18+)

Education

Menoufia University

Bachelor of Computer Science, **Faculty of Science**

Sep 2017 - Sep 2021

Licenses & Certifications



Java Programming and Software Engineering Specialization - **Coursera**



ACPC Certificate – **ICPC**

Languages

- Arabic (*Native, Mother Tongue*)
- English (*Professional*)

Frontend Skills

- HTML / HTML5
- Bootstrap
- DOM / BOM
- Next.js + Fast Framework / React Native / Expo
- Redux / Redux Toolkit / Zustand
- Styled Component / CSS Modules
- Testing / Storybook / ShadCN UI
- Rest API / GraphQL / SWR
- CSS / CSS3 / SASS / SCSS / LESS
- JavaScript / ES6 / TypeScript
- jQuery / jQuery Plugins
- React.js / Next.js
- UI / UX / Chart.js
- Material UI / Ant Design / Tailwind CSS
- React.js + Typescript
- Git / GitHub / GitLab
- Excellent project management skills and working with software methodologies (Scrum – Sprint -Agile)
- Agile, CI/CD - DevOps - Cloud technologies - Microservices
- Developing and implementing highly reusable responsive user interface components to increase SEO and Performance of website using JavaScript following React.js workflows to support user interface concepts.
- Troubleshooting User Interface software, Debugging and Test performance application codes using Jest and React Testing Library.
- Windows / Linux / Networking / Operating Systems

Backend Skills

- C++ (+5 experience)
- ASP.Net Core / Asp.Net Razor
- Data Structure
- Node.js / Express
- C#
- Database (SQL and No SQL)
- Algorithms
- Mongo DB / My SQL
- Java
- OOP
- EF Core
- Problem Solving
- SQL Server

Tools Used

- Visual Studio Code
- Balsamiq Mockups
- Microsoft Visual Studio
- SQL Report Builder
- Adobe XD
- Postman / Insomnia
- Microsoft SQL Server
- Trello / Notion / Asana / Azure
- Figma
- Swagger
- Mongo DB
- Crown peak

Deploy Site I Used

- Microsoft Azure / RDB
- GitHub Pages
- Heroku
- Deploy On IIS
- Netlify

Soft Skills

- Leadership / Mentorship / Teamwork / Communication
- Time Management
- Team Player / Problem Solver

Organizations

- Ressala organization (*Volunteer*)
- Computality IT Group (*Social media Team Leader*)
- LinkedIn (*Technical Content Creator*)

Projects

- **Monta Ai (Chat GPT)**

Monta Ai is a sibling model to Chat GPT , which is trained to follow an instruction in a prompt and provide a detailed response based on Chat GPT / Open ai API.

➤ GitHub Code => <https://github.com/Mohamed-Hashem/MontaAi>

- **Cinema House**

Sometime we want to watch an Arab or foreign movie and want to watch it again and do not have enough information about it, so a special site was launched to search for movies using some words in the search engine of the site after accessing it, so we provided you with this amazing site to search for movies and watch trial or download the torrent file for its o, then download it and watch it.

➤ Demo Live => <https://lively-field-0a9a2621e.azurestaticapps.net/>